

# 16px input to 32px output



Input

#Colors
87



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.121354	750



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0782978	684



VectorMagic  
(rasterized)

Dist.	#Colors
0.133207	11



Our Output

Dist.	#Colors
0.0476327	23



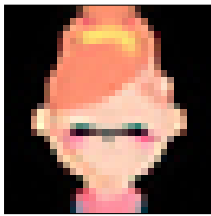
GT

#Colors
10



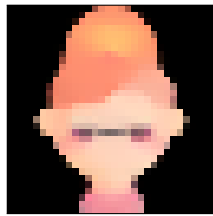
Input

#Colors
72



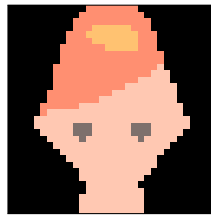
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0883736	554



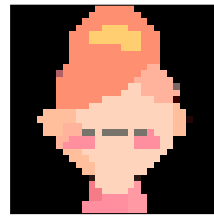
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0452293	467



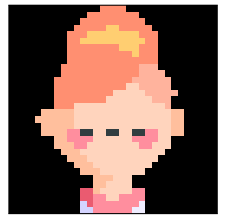
VectorMagic  
(rasterized)

Dist.	#Colors
0.0839603	5



Our Output

Dist.	#Colors
0.0240938	16



GT

#Colors
11



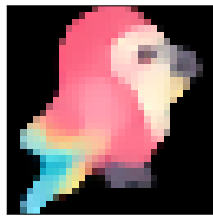
Input

#Colors
110



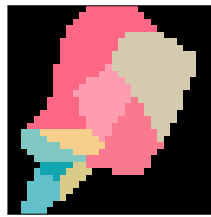
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0962803	678



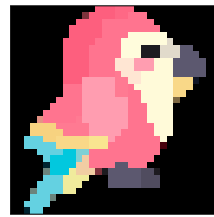
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0714789	543



VectorMagic  
(rasterized)

Dist.	#Colors
0.127834	10



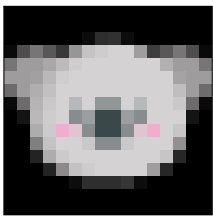
Our Output

Dist.	#Colors
0.0376719	28



GT

#Colors
12



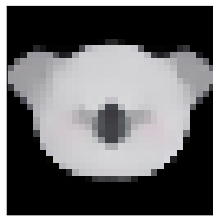
Input

#Colors
50



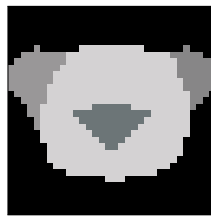
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.081338	550



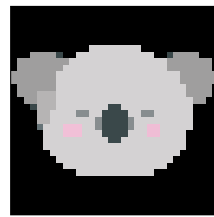
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.042492	358



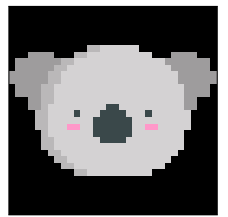
VectorMagic  
(rasterized)

Dist.	#Colors
0.0759652	5



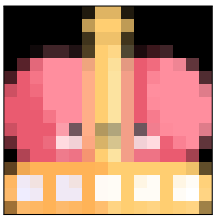
Our Output

Dist.	#Colors
0.021487	9



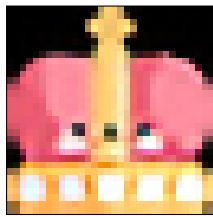
GT

#Colors
6



Input

#Colors
76



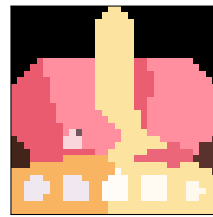
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.103398	807



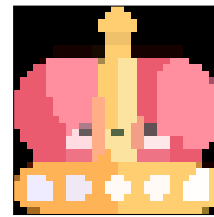
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0887296	735



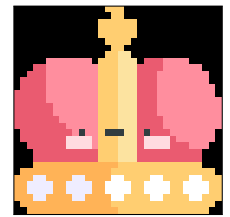
VectorMagic  
(rasterized)

Dist.	#Colors
0.103676	16



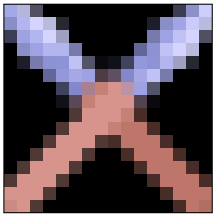
Our Output

Dist.	#Colors
0.0417535	33



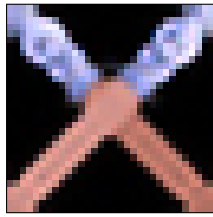
GT

#Colors
10



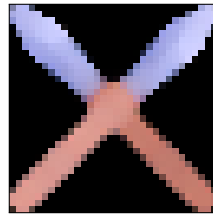
Input

#Colors
42



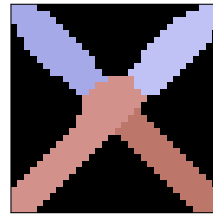
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0973615	618



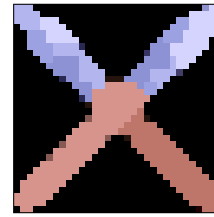
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0610892	424



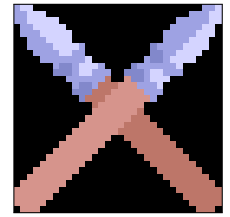
VectorMagic  
(rasterized)

Dist.	#Colors
0.0656086	5



Our Output

Dist.	#Colors
0.0457865	14



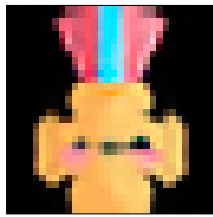
GT

#Colors
6



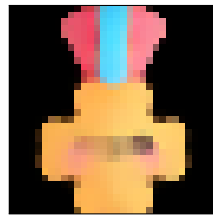
Input

#Colors
72



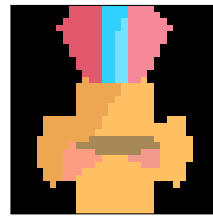
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0900938	609



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0583917	527



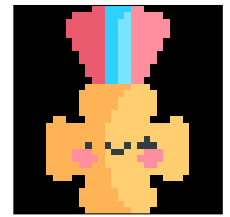
VectorMagic  
(rasterized)

Dist.	#Colors
0.0871199	10



Our Output

Dist.	#Colors
0.0222852	18



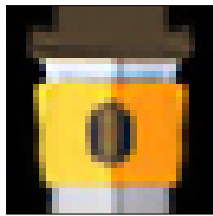
GT

#Colors
8



Input

#Colors
41



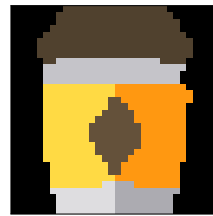
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0772807	707



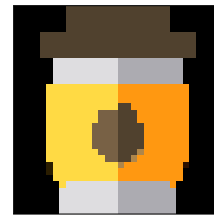
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0480904	631



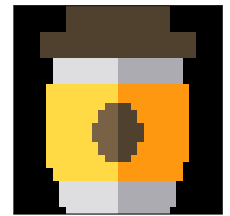
VectorMagic  
(rasterized)

Dist.	#Colors
0.054403	8



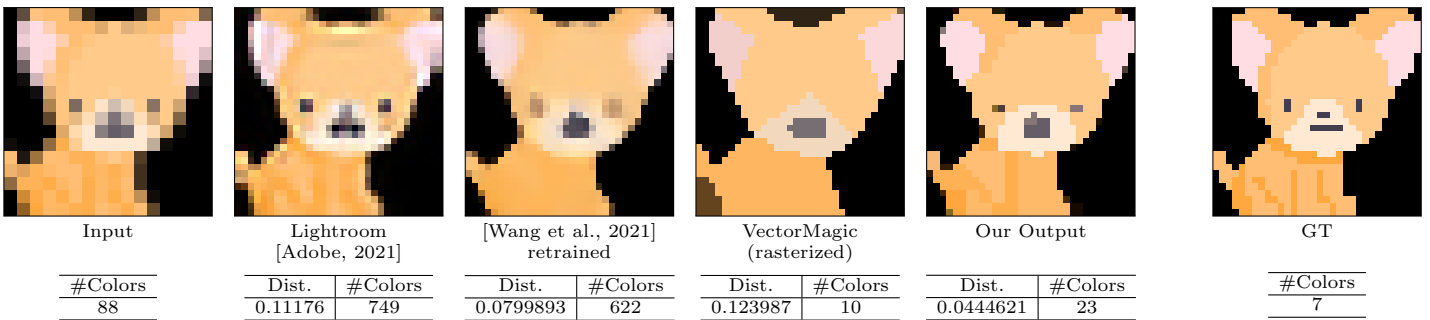
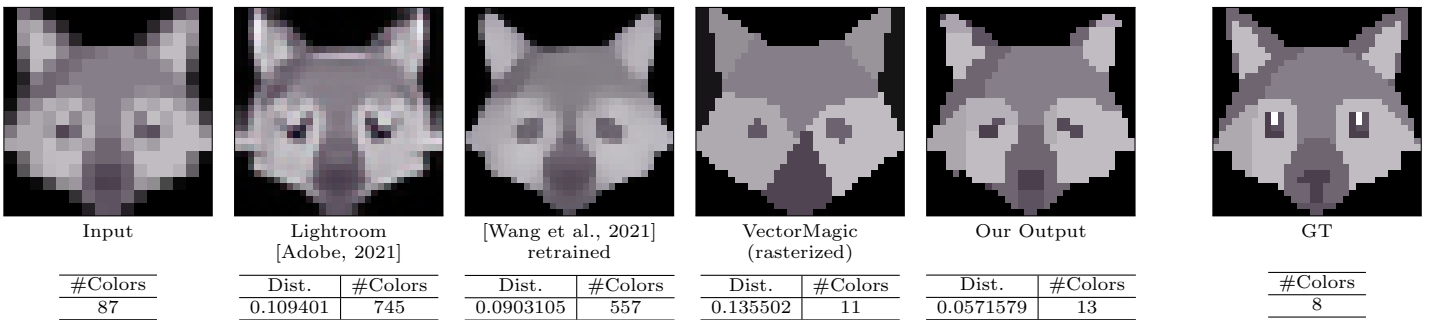
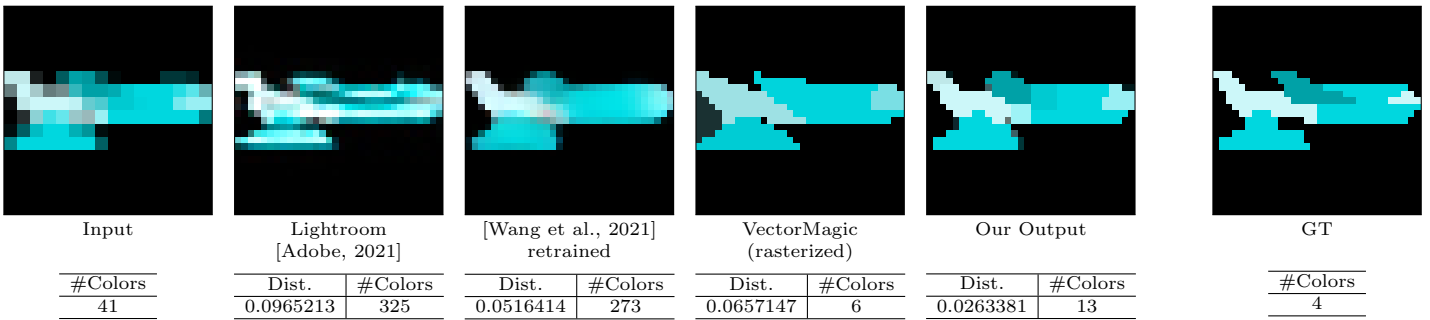
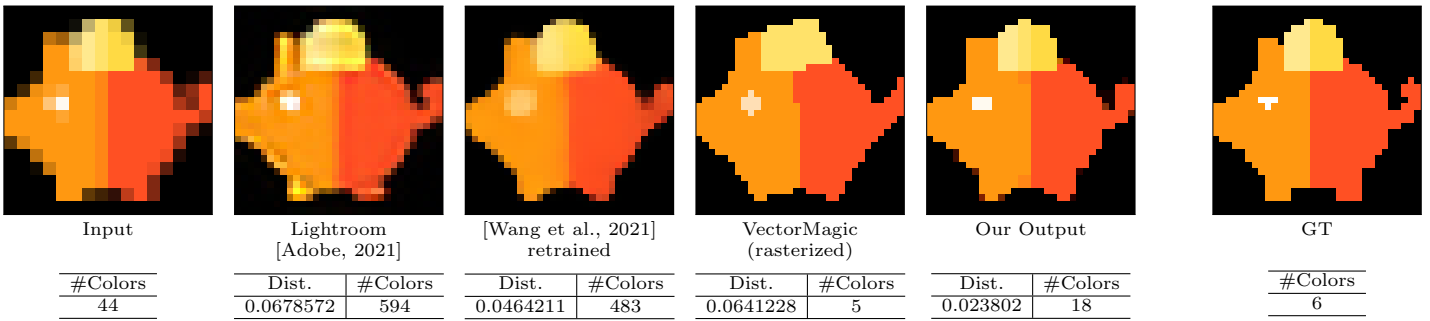
Our Output

Dist.	#Colors
0.00834894	10




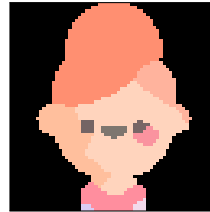








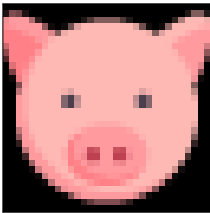


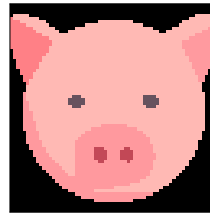
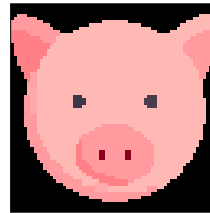
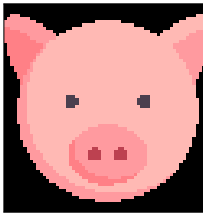
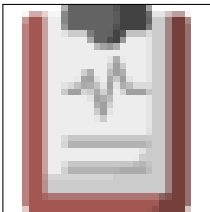
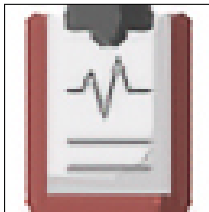
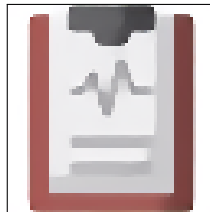
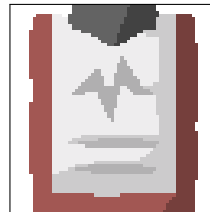
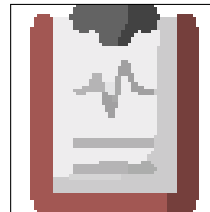
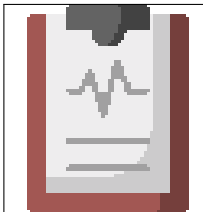


GT

#Colors
7



## 32px input to 64px output

																									
Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT																				
<table border="1"><tr><td>#Colors</td></tr><tr><td>117</td></tr></table>	#Colors	117	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0465913</td><td>1414</td></tr></table>	Dist.	#Colors	0.0465913	1414	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0202731</td><td>924</td></tr></table>	Dist.	#Colors	0.0202731	924	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0414805</td><td>12</td></tr></table>	Dist.	#Colors	0.0414805	12	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0137013</td><td>13</td></tr></table>	Dist.	#Colors	0.0137013	13	<table border="1"><tr><td>#Colors</td></tr><tr><td>11</td></tr></table>	#Colors	11
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Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT																				
<table border="1"><tr><td>#Colors</td></tr><tr><td>75</td></tr></table>	#Colors	75	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0437064</td><td>1213</td></tr></table>	Dist.	#Colors	0.0437064	1213	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0174159</td><td>582</td></tr></table>	Dist.	#Colors	0.0174159	582	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0288824</td><td>6</td></tr></table>	Dist.	#Colors	0.0288824	6	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0107435</td><td>6</td></tr></table>	Dist.	#Colors	0.0107435	6	<table border="1"><tr><td>#Colors</td></tr><tr><td>6</td></tr></table>	#Colors	6
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Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT																				
<table border="1"><tr><td>#Colors</td></tr><tr><td>90</td></tr></table>	#Colors	90	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0502252</td><td>1329</td></tr></table>	Dist.	#Colors	0.0502252	1329	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0206236</td><td>796</td></tr></table>	Dist.	#Colors	0.0206236	796	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0324102</td><td>8</td></tr></table>	Dist.	#Colors	0.0324102	8	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.00902828</td><td>9</td></tr></table>	Dist.	#Colors	0.00902828	9	<table border="1"><tr><td>#Colors</td></tr><tr><td>6</td></tr></table>	#Colors	6
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Dist.	#Colors																								
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Dist.	#Colors																								
0.00902828	9																								
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Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT																				
<table border="1"><tr><td>#Colors</td></tr><tr><td>82</td></tr></table>	#Colors	82	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0627917</td><td>1725</td></tr></table>	Dist.	#Colors	0.0627917	1725	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0496686</td><td>1231</td></tr></table>	Dist.	#Colors	0.0496686	1231	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.04927</td><td>10</td></tr></table>	Dist.	#Colors	0.04927	10	<table border="1"><tr><td>Dist.</td><td>#Colors</td></tr><tr><td>0.0489323</td><td>13</td></tr></table>	Dist.	#Colors	0.0489323	13	<table border="1"><tr><td>#Colors</td></tr><tr><td>8</td></tr></table>	#Colors	8
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Dist.	#Colors																								
0.04927	10																								
Dist.	#Colors																								
0.0489323	13																								
#Colors																									
8																									



Input

#Colors
92



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0510925	1626



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0269842	1183



VectorMagic  
(rasterized)

Dist.	#Colors
0.051774	5



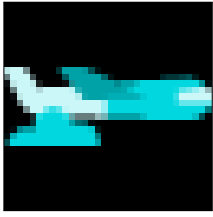
Our Output

Dist.	#Colors
0.0158096	8



GT

#Colors
6



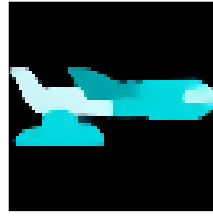
Input

#Colors
53



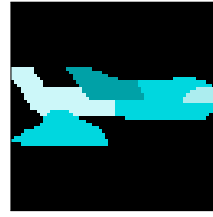
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0448286	1012



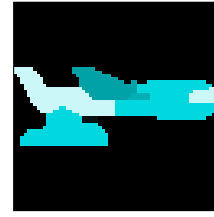
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0164945	683



VectorMagic  
(rasterized)

Dist.	#Colors
0.0201239	5



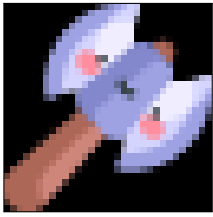
Our Output

Dist.	#Colors
0.00741698	6



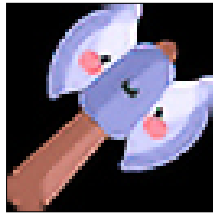
GT

#Colors
4



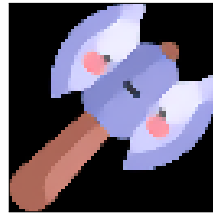
Input

#Colors
136



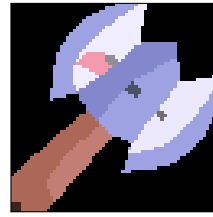
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0576455	1917



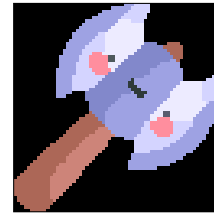
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0234018	1100



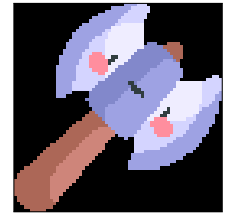
VectorMagic  
(rasterized)

Dist.	#Colors
0.0560784	12



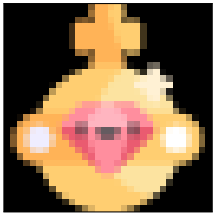
Our Output

Dist.	#Colors
0.016458	11



GT

#Colors
9



Input

#Colors
143



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0592988	1849



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.029711	1380



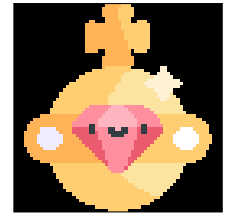
VectorMagic  
(rasterized)

Dist.	#Colors
0.0539784	13



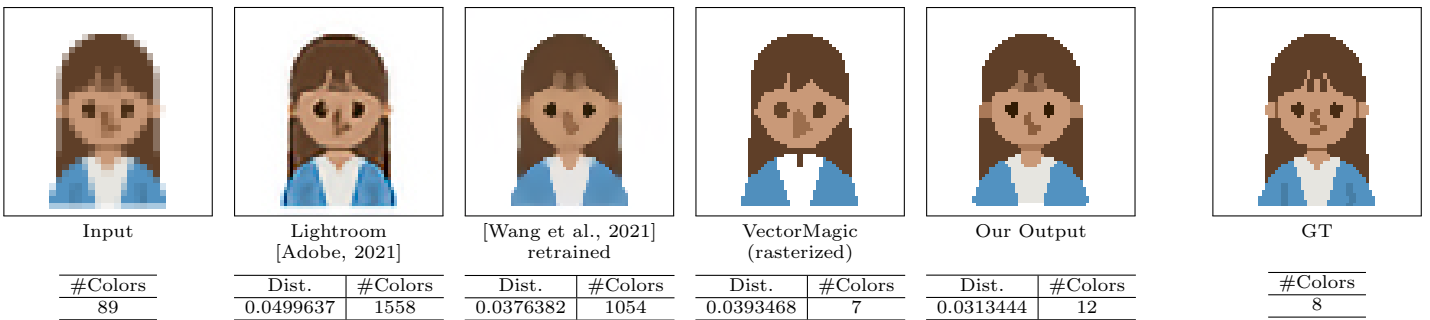
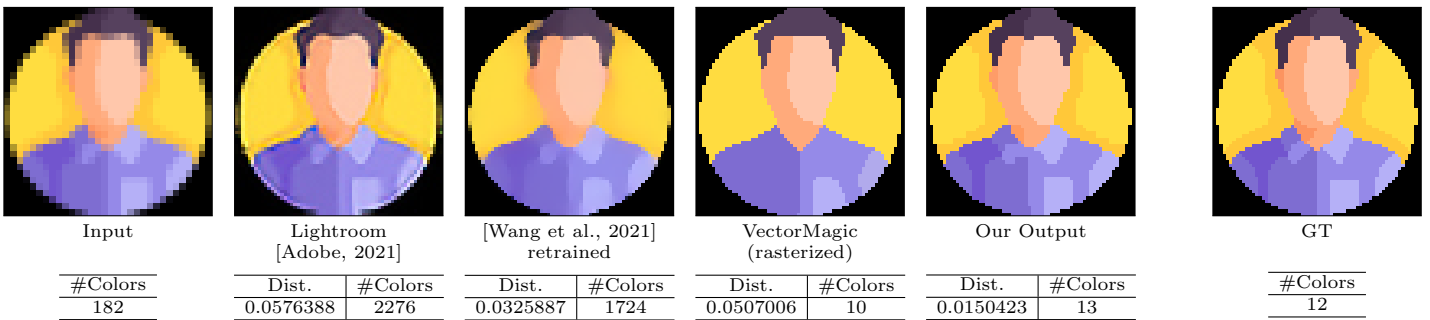
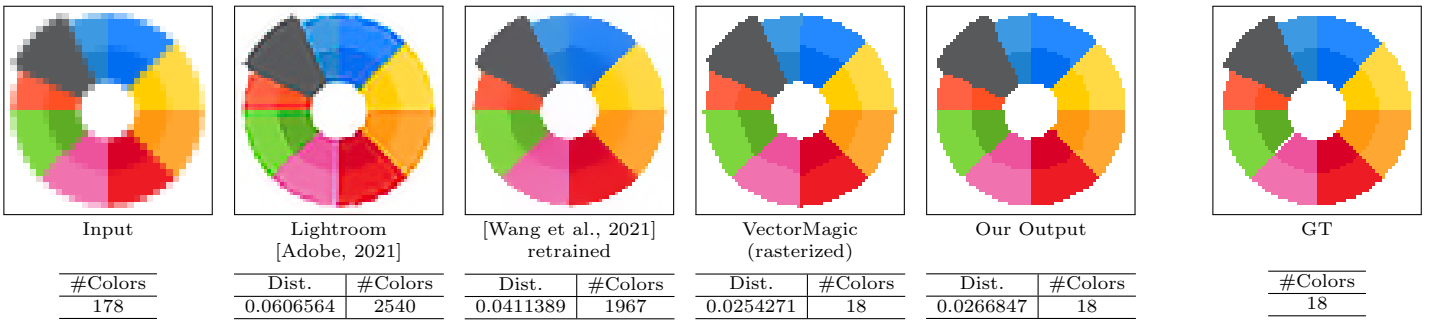
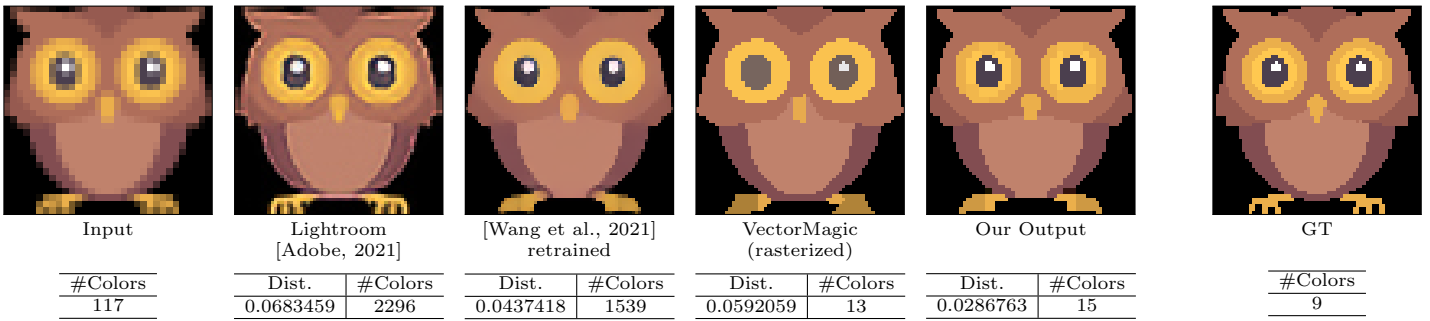
Our Output

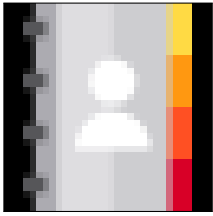
Dist.	#Colors
0.019276	14



GT

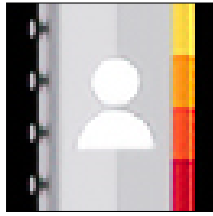
#Colors
11





Input

#Colors
44



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0440536	1397



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0134504	797



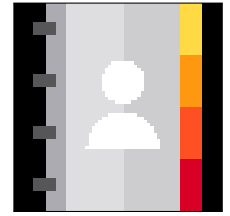
VectorMagic  
(rasterized)

Dist.	#Colors
0.0259041	10



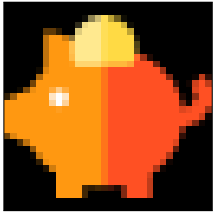
Our Output

Dist.	#Colors
0.00551989	10



GT

#Colors
10



Input

#Colors
65



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0395408	1248



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.015542	650



VectorMagic  
(rasterized)

Dist.	#Colors
0.0245167	6



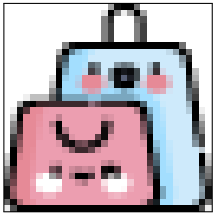
Our Output

Dist.	#Colors
0.0109248	7



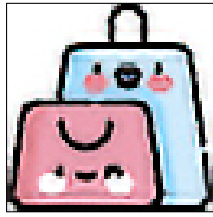
GT

#Colors
6



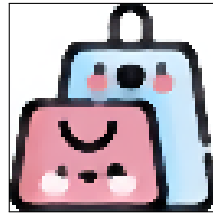
Input

#Colors
138



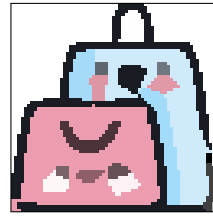
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.10116	2455



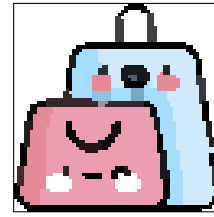
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.162595	2433



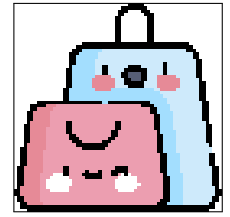
VectorMagic  
(rasterized)

Dist.	#Colors
0.139686	20



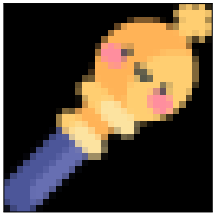
Our Output

Dist.	#Colors
0.0654533	24



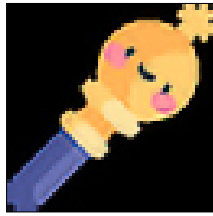
GT

#Colors
7



Input

#Colors
104



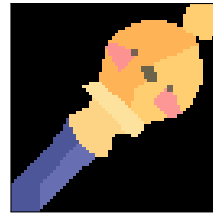
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.042256	1405



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0224311	997



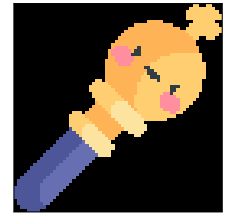
VectorMagic  
(rasterized)

Dist.	#Colors
0.037557	12



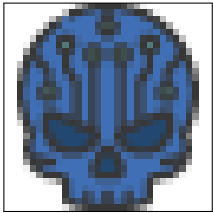
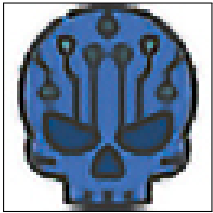
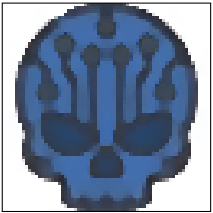
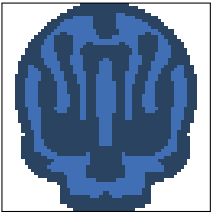
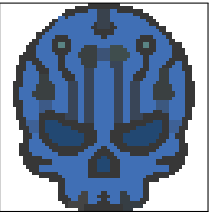
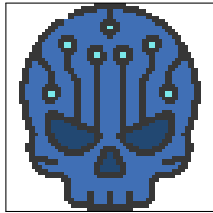
Our Output

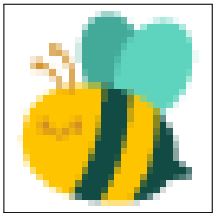
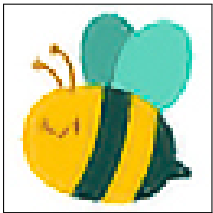
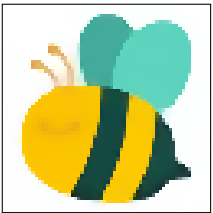
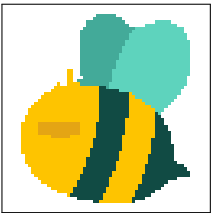
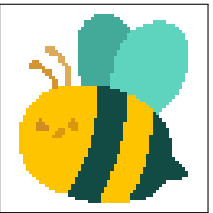
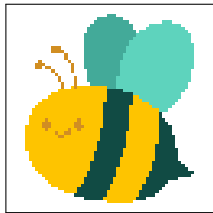
Dist.	#Colors
0.0129723	9

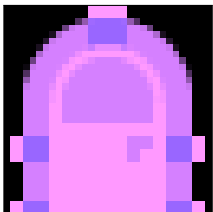
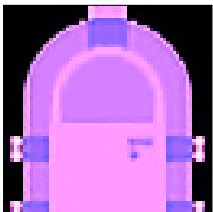
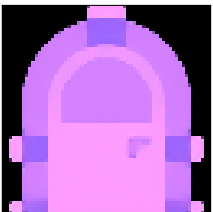
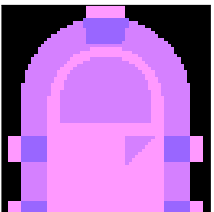
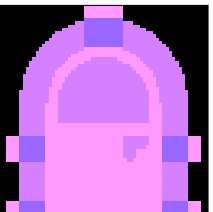
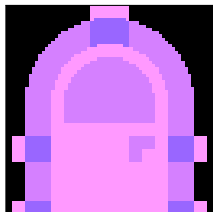


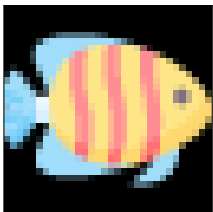
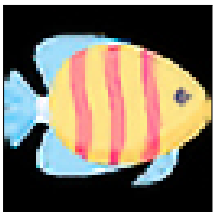
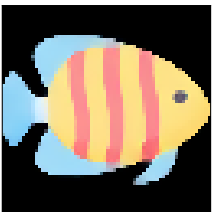
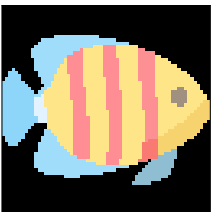
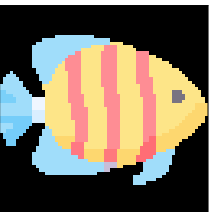

GT

#Colors
8

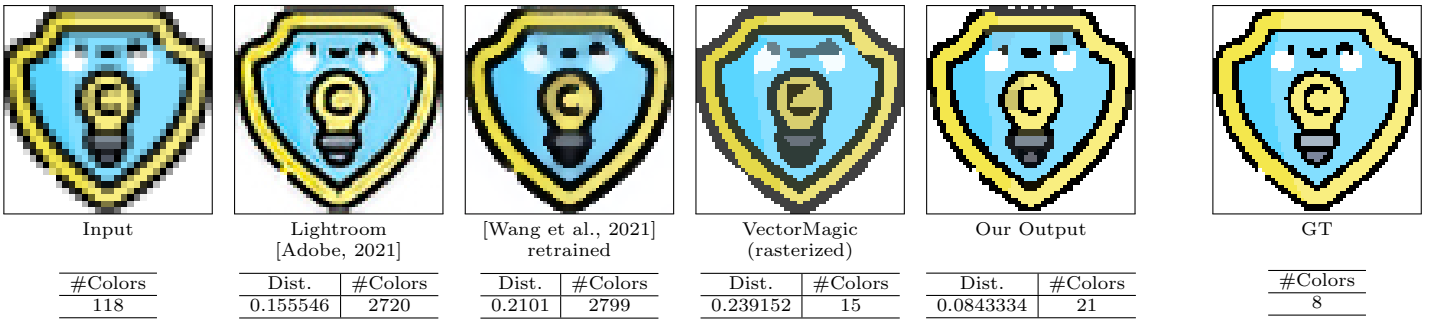
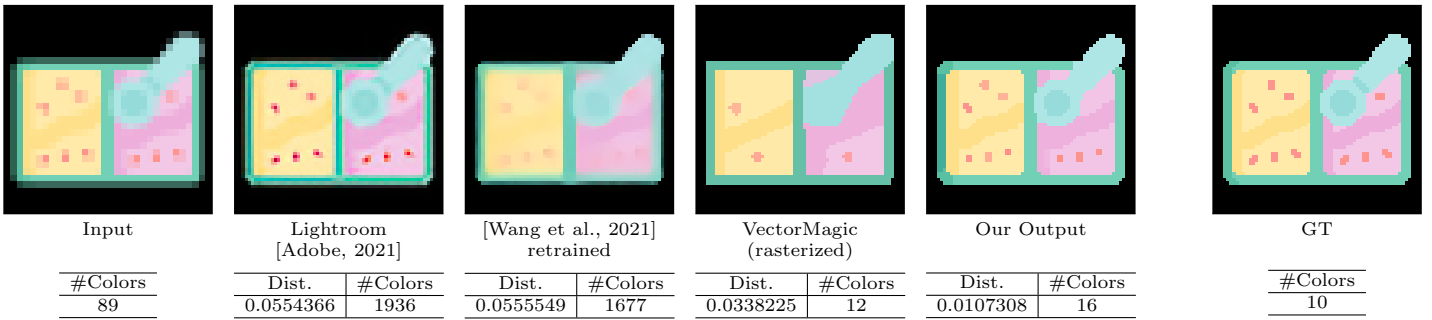
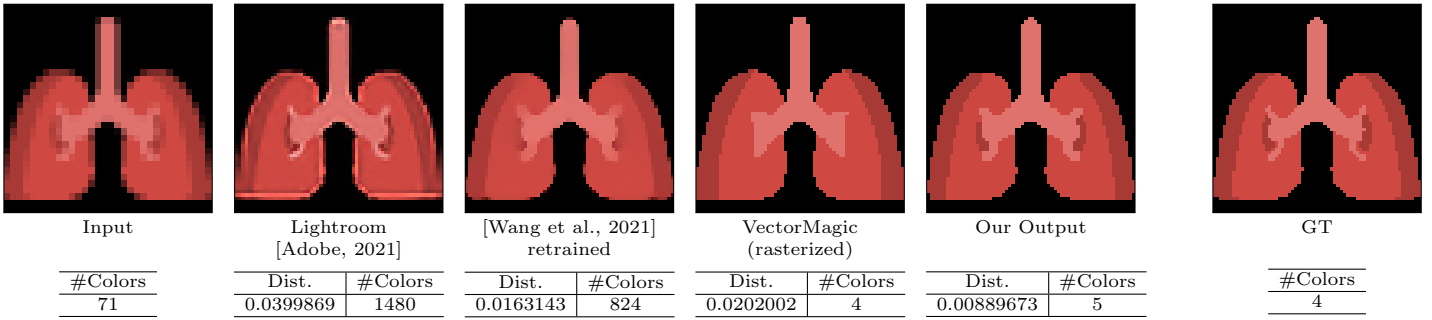
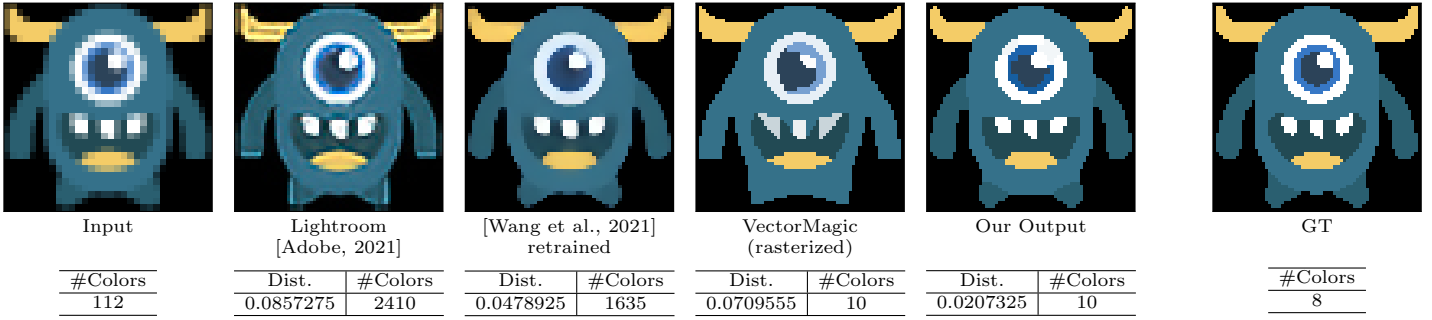
					
Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT
<u>#Colors</u> 53	Dist.   #Colors 0.0892447   2750	Dist.   #Colors 0.09734   2245	Dist.   #Colors 0.108254   4	Dist.   #Colors 0.0424528   15	<u>#Colors</u> 5

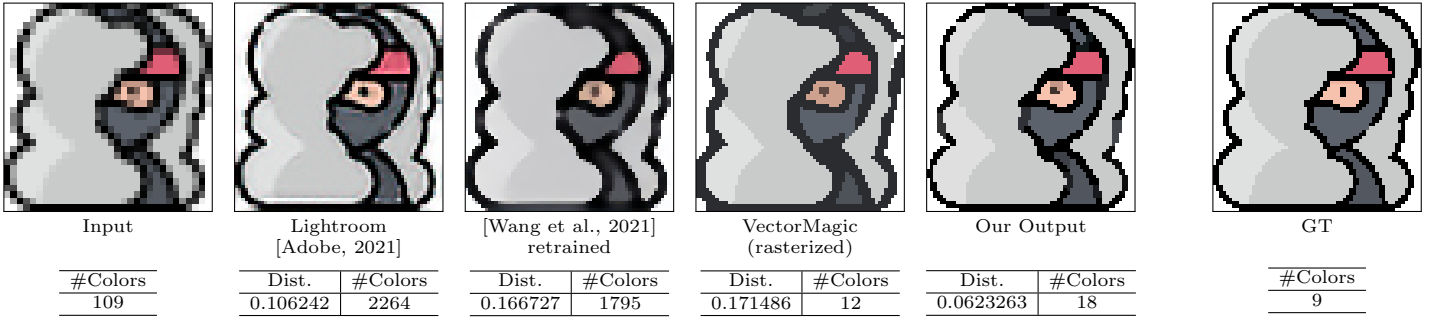
					
Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT
<u>#Colors</u> 112	Dist.   #Colors 0.0608642   1950	Dist.   #Colors 0.0420841   1450	Dist.   #Colors 0.0308464   6	Dist.   #Colors 0.0335284   10	<u>#Colors</u> 6

					
Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT
<u>#Colors</u> 23	Dist.   #Colors 0.0356941   1345	Dist.   #Colors 0.0178941   784	Dist.   #Colors 0.0108121   4	Dist.   #Colors 0.00334864   4	<u>#Colors</u> 4

					
Input	Lightroom [Adobe, 2021]	[Wang et al., 2021] retrained	VectorMagic (rasterized)	Our Output	GT
<u>#Colors</u> 140	Dist.   #Colors 0.0587311   1936	Dist.   #Colors 0.0308984   1641	Dist.   #Colors 0.0476714   11	Dist.   #Colors 0.0149987   14	<u>#Colors</u> 10







#Colors
109

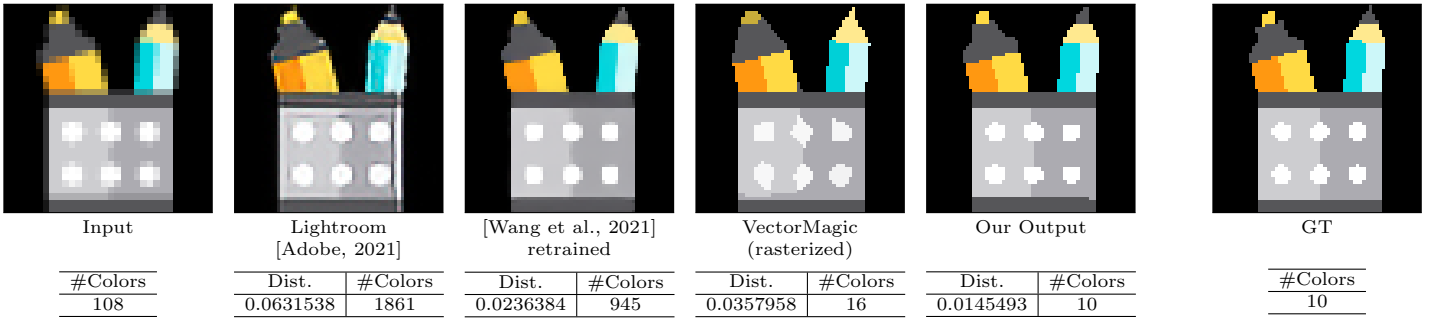
Dist.	#Colors
0.106242	2264

Dist.	#Colors
0.166727	1795

Dist.	#Colors
0.171486	12

Dist.	#Colors
0.0623263	18

#Colors
9



#Colors
108

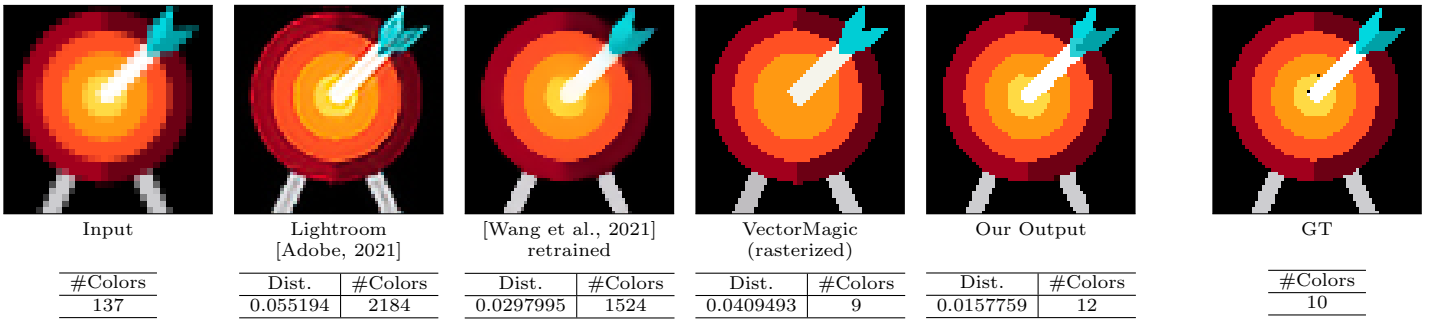
Dist.	#Colors
0.0631538	1861

Dist.	#Colors
0.0236384	945

Dist.	#Colors
0.0357958	16

Dist.	#Colors
0.0145493	10

#Colors
10



#Colors
137

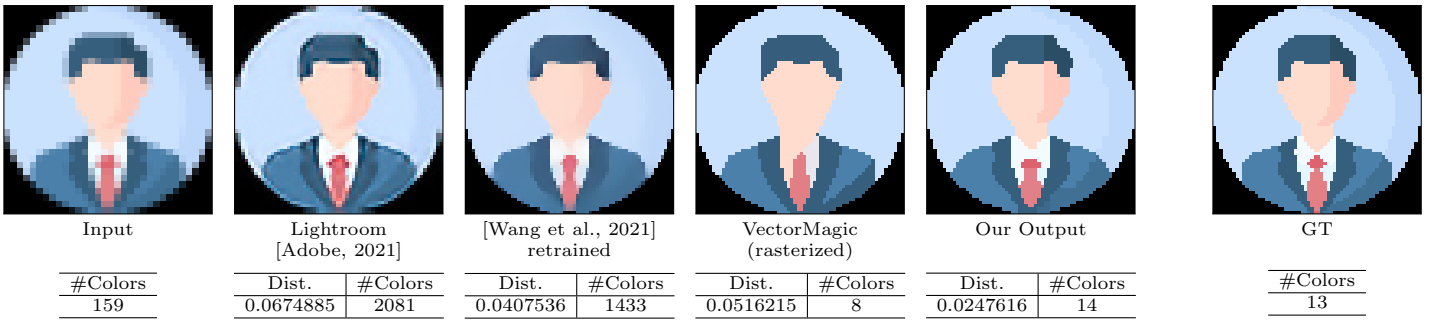
Dist.	#Colors
0.055194	2184

Dist.	#Colors
0.0297995	1524

Dist.	#Colors
0.0409493	9

Dist.	#Colors
0.0157759	12

#Colors
10



#Colors
159

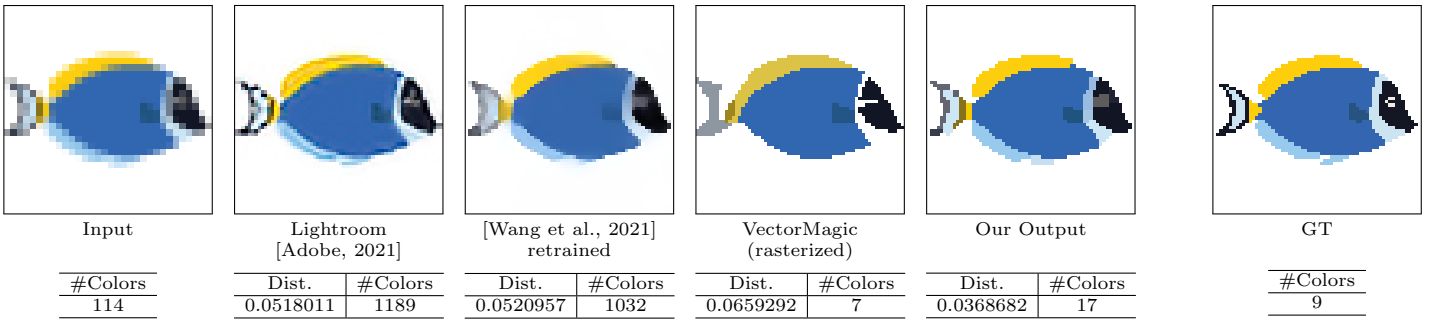
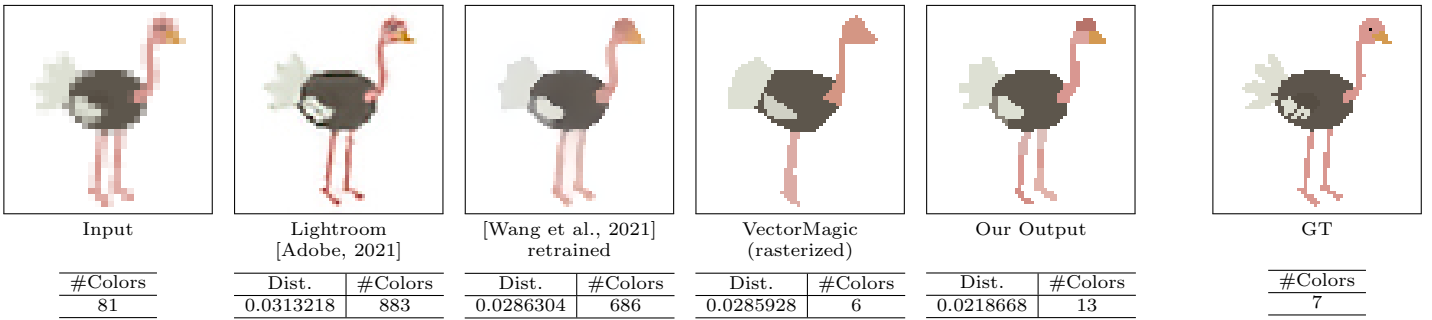
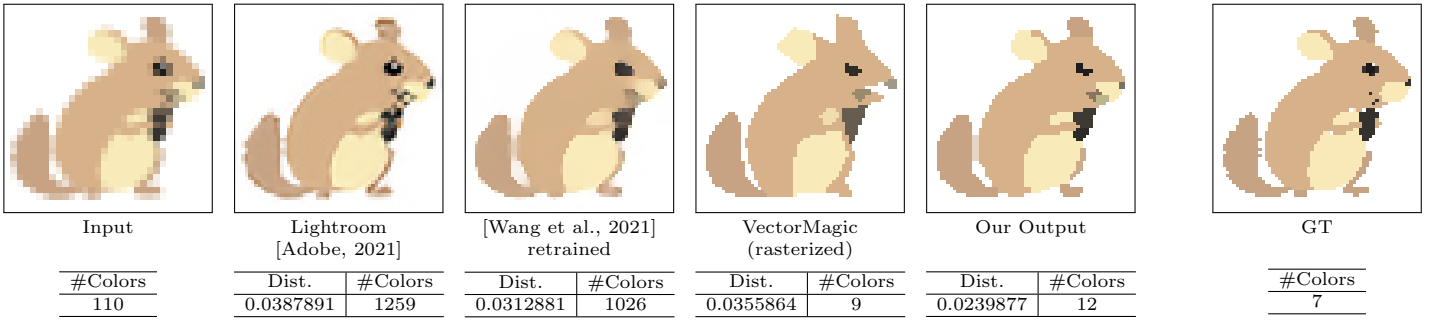
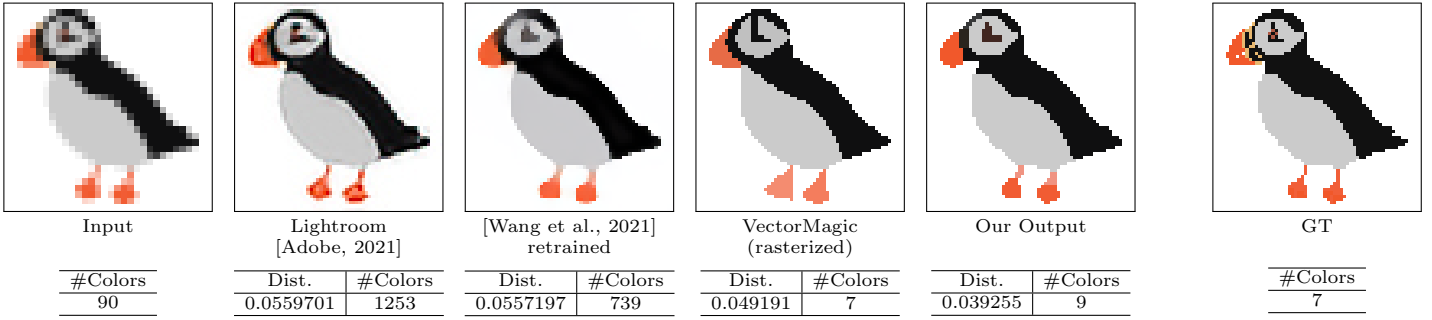
Dist.	#Colors
0.0674885	2081

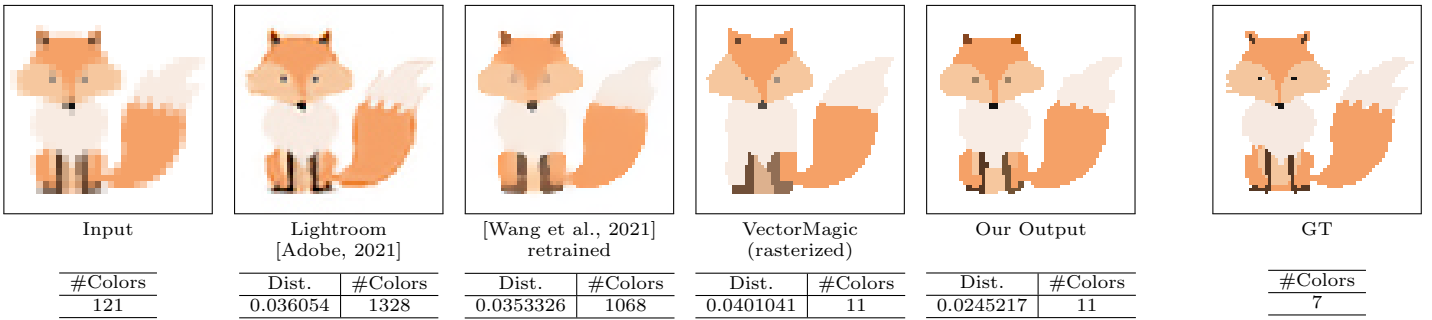
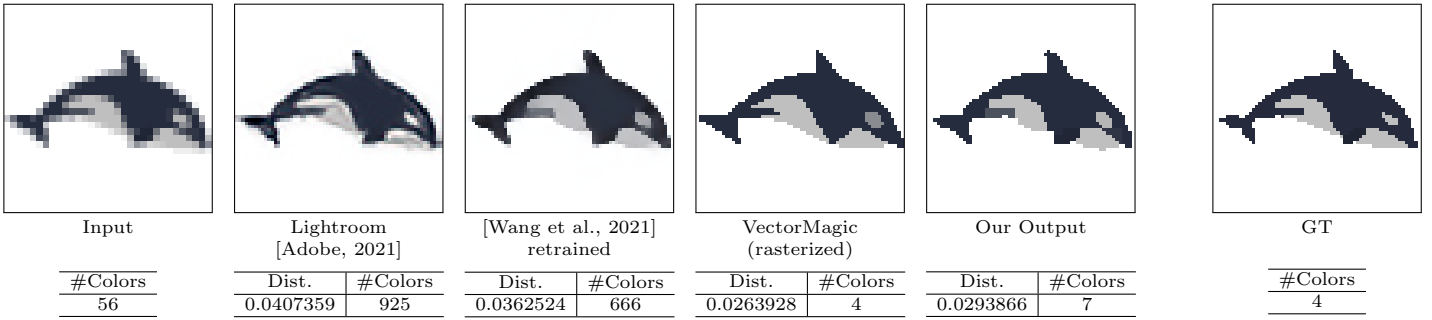
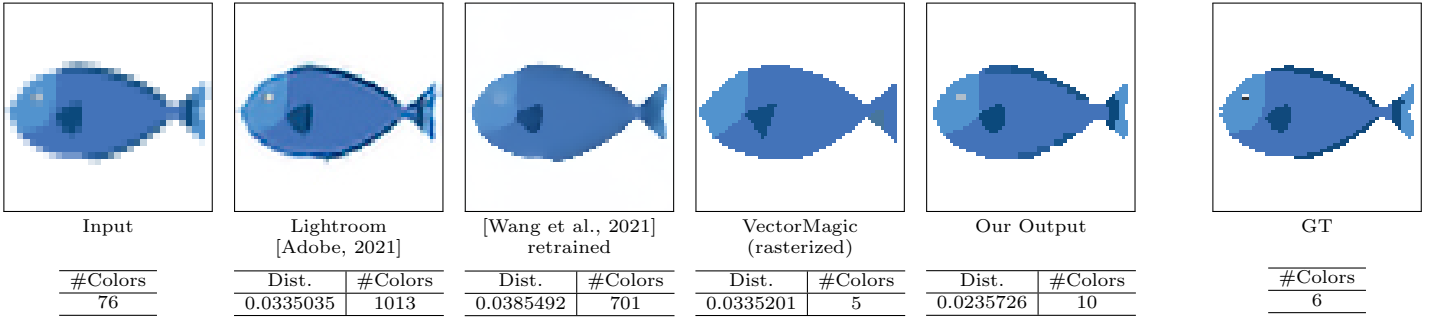
Dist.	#Colors
0.0407536	1433

Dist.	#Colors
0.0516215	8

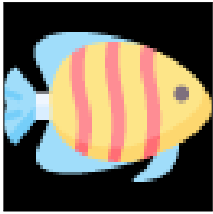
Dist.	#Colors
0.0247616	14

#Colors
13





## 64px input to 128px output



Input

#Colors
185



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0339343	4095



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0175157	2895



VectorMagic  
(rasterized)

Dist.	#Colors
0.0206537	13



Our Output

Dist.	#Colors
0.00668208	10



GT

#Colors
10



Input

#Colors
127



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0664826	4759



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0374258	2181



VectorMagic  
(rasterized)

Dist.	#Colors
0.0432684	11



Our Output

Dist.	#Colors
0.0174608	9



GT

#Colors
9



Input

#Colors
131



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0268147	3290



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00985024	1655



VectorMagic  
(rasterized)

Dist.	#Colors
0.0153114	10



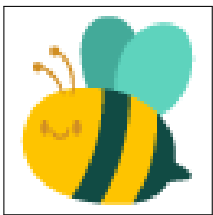
Our Output

Dist.	#Colors
0.00454289	8



GT

#Colors
8



Input

#Colors
144



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0330493	3693



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0223126	2224



VectorMagic  
(rasterized)

Dist.	#Colors
0.0176004	7



Our Output

Dist.	#Colors
0.0124959	11



GT

#Colors
6



Input

#Colors
68



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0197598	2648



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00671082	1054



VectorMagic  
(rasterized)

Dist.	#Colors
0.00746134	6



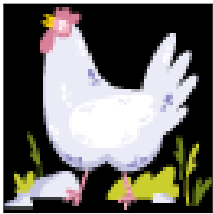
Our Output

Dist.	#Colors
0.00146399	6



GT

#Colors
6



Input

#Colors
269



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0503016	3982



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0364822	3232



VectorMagic  
(rasterized)

Dist.	#Colors
0.0456795	18



Our Output

Dist.	#Colors
0.0246812	36



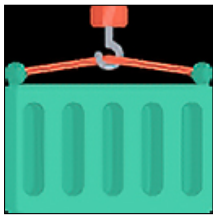
GT

#Colors
10



Input

#Colors
134



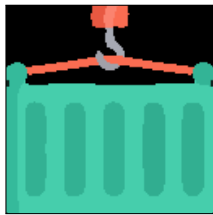
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0295601	2692



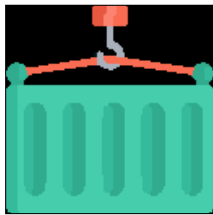
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0206248	2185



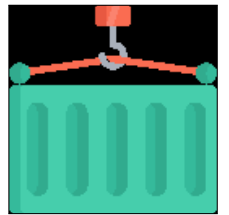
VectorMagic  
(rasterized)

Dist.	#Colors
0.0242132	17



Our Output

Dist.	#Colors
0.00608344	9



GT

#Colors
8



Input

#Colors
191



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0344695	3783



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.014618	2418



VectorMagic  
(rasterized)

Dist.	#Colors
0.0269896	11



Our Output

Dist.	#Colors
0.00526618	11



GT

#Colors
10



Input

#Colors
112



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0288386	3221



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0132636	1952



VectorMagic  
(rasterized)

Dist.	#Colors
0.0257783	4



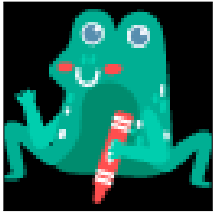
Our Output

Dist.	#Colors
0.00533665	6



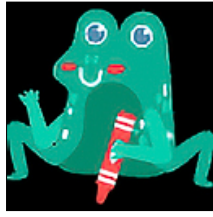
GT

#Colors
6



Input

#Colors
212



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0481956	4714



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0362633	2865



VectorMagic  
(rasterized)

Dist.	#Colors
0.0322746	23



Our Output

Dist.	#Colors
0.0178818	27



GT

#Colors
8



Input

#Colors
148



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0462525	5073



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0188618	2471



VectorMagic  
(rasterized)

Dist.	#Colors
0.0247696	8



Our Output

Dist.	#Colors
0.0068743	9



GT

#Colors
8



Input

#Colors
152



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0313507	3599



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0142833	1522



VectorMagic  
(rasterized)

Dist.	#Colors
0.0123789	10



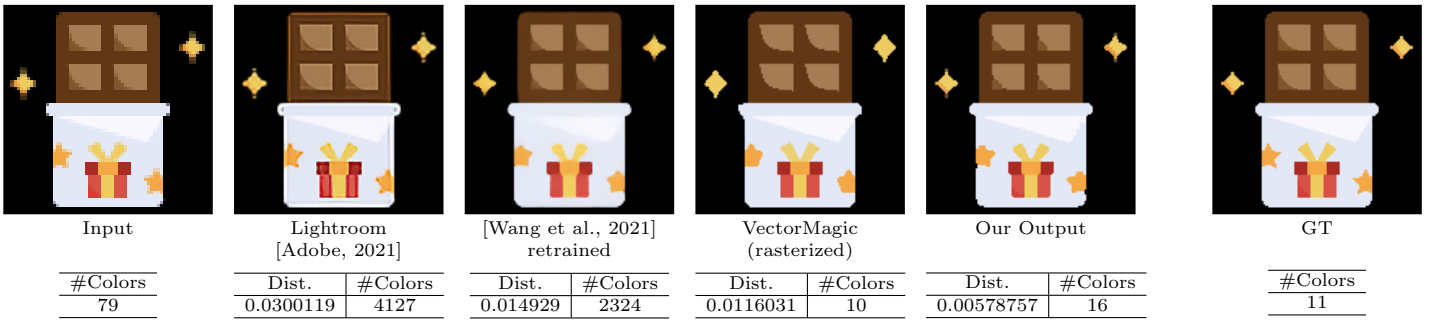
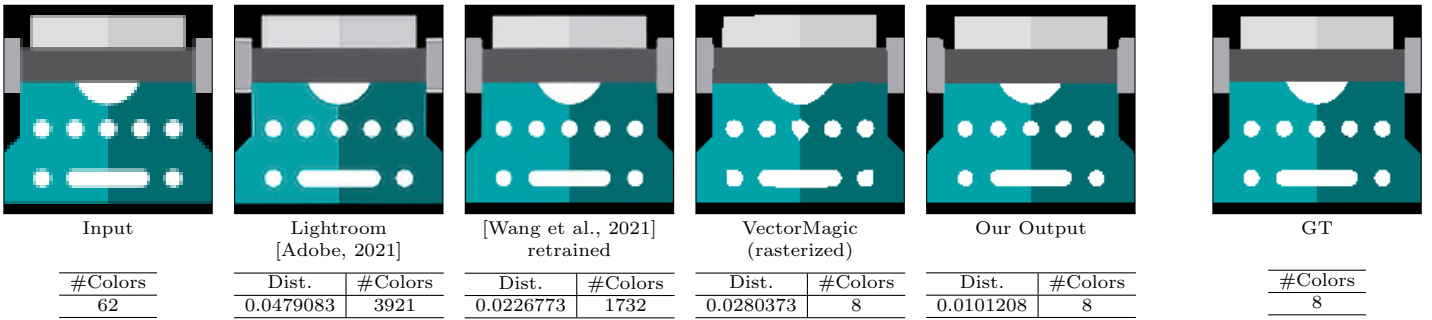
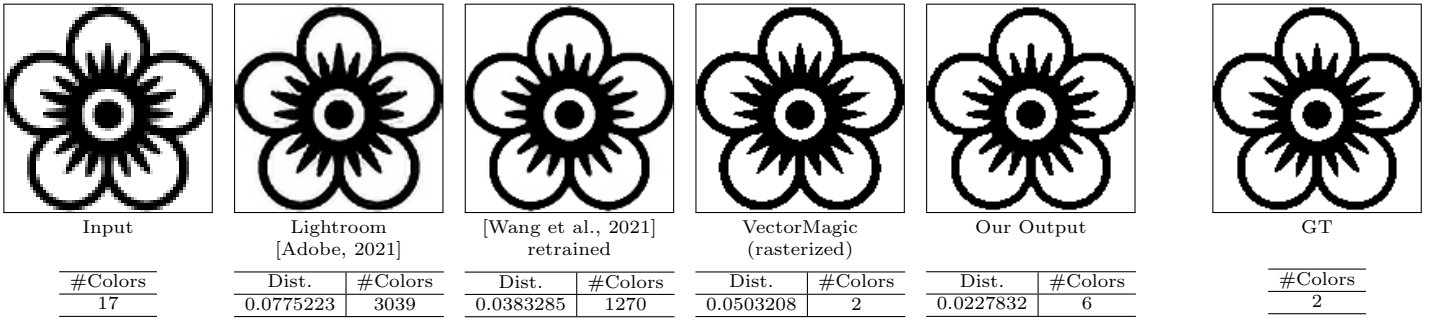
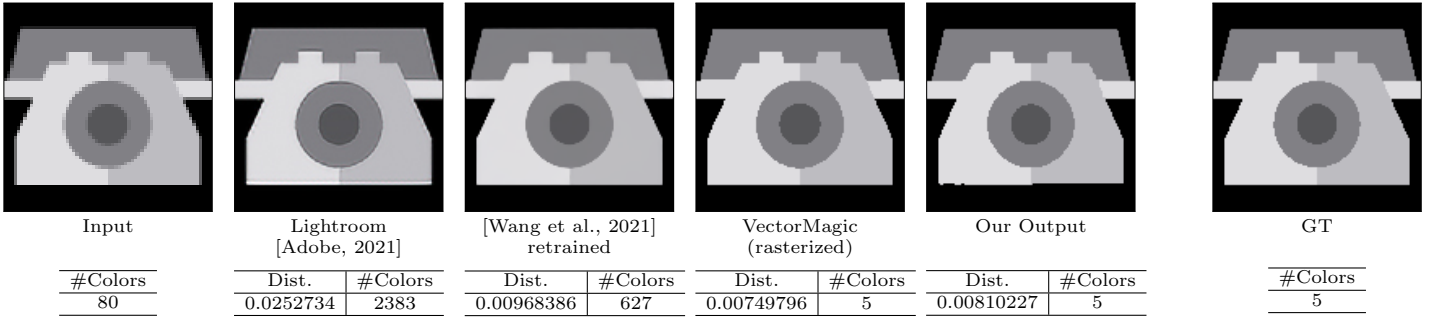
Our Output

Dist.	#Colors
0.00406502	10



GT

#Colors
10







Input

#Colors
248



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0496692	3962



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0513094	3842



VectorMagic  
(rasterized)

Dist.	#Colors
0.0451746	30



Our Output

Dist.	#Colors
0.0309636	35



GT

#Colors
10



Input

#Colors
165



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0481433	3666



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0430919	2460



VectorMagic  
(rasterized)

Dist.	#Colors
0.0362862	11



Our Output

Dist.	#Colors
0.0287582	23



GT

#Colors
9



Input

#Colors
255



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0311742	3876



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0134784	2453



VectorMagic  
(rasterized)

Dist.	#Colors
0.0174547	12



Our Output

Dist.	#Colors
0.00585487	14



GT

#Colors
12



Input

#Colors
72



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0300815	2909



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0126565	1783



VectorMagic  
(rasterized)

Dist.	#Colors
0.0149663	4



Our Output

Dist.	#Colors
0.00441257	7



GT

#Colors
4



Input

#Colors
63



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0739878	5421



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0310426	2352



VectorMagic  
(rasterized)

Dist.	#Colors
0.0478627	9



Our Output

Dist.	#Colors
0.00907375	14



GT

#Colors
8



Input

#Colors
174



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0349754	3256



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0144119	1981



VectorMagic  
(rasterized)

Dist.	#Colors
0.0219504	11



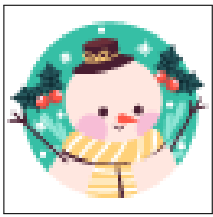
Our Output

Dist.	#Colors
0.00686546	8



GT

#Colors
7



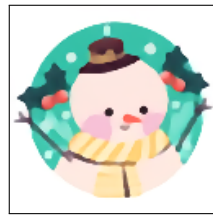
Input

#Colors
418



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0676723	6423



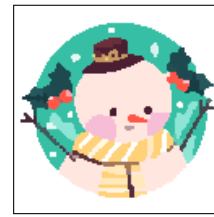
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.064712	5368



VectorMagic  
(rasterized)

Dist.	#Colors
0.0646591	36



Our Output

Dist.	#Colors
0.043141	49



GT

#Colors
114



Input

#Colors
108



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0389715	3427



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0200272	1684



VectorMagic  
(rasterized)

Dist.	#Colors
0.0258362	5



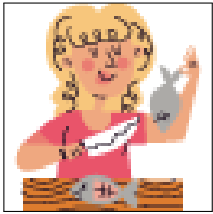
Our Output

Dist.	#Colors
0.00862338	5



GT

#Colors
5



Input

#Colors
341



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0828046	7277



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.077181	6415



VectorMagic  
(rasterized)

Dist.	#Colors
0.0680271	51



Our Output

Dist.	#Colors
0.0643929	58



GT

#Colors
10



Input

#Colors
415



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0897263	7961



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.077679	7750



VectorMagic  
(rasterized)

Dist.	#Colors
0.074222	36



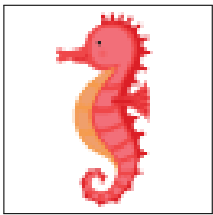
Our Output

Dist.	#Colors
0.0570341	56



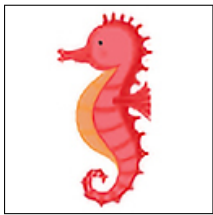
GT

#Colors
12



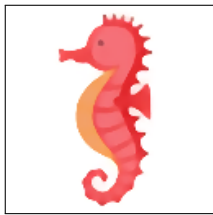
Input

#Colors
167



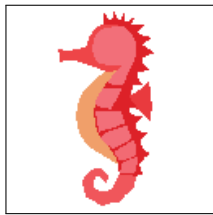
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0259272	2962



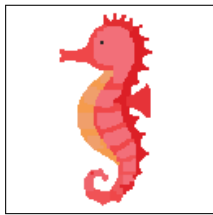
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0249584	2656



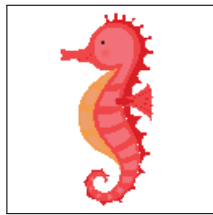
VectorMagic  
(rasterized)

Dist.	#Colors
0.0290163	8



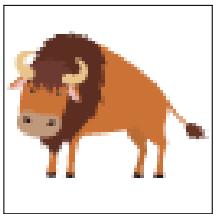
Our Output

Dist.	#Colors
0.0179177	13



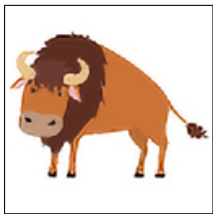
GT

#Colors
38



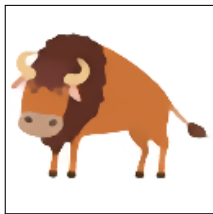
Input

#Colors
226



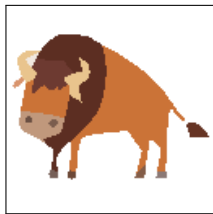
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0313066	3113



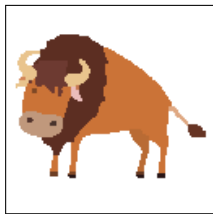
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0258232	2478



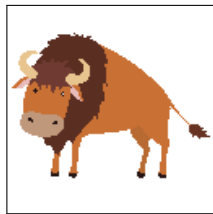
VectorMagic  
(rasterized)

Dist.	#Colors
0.0277838	15



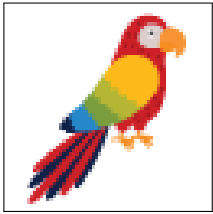
Our Output

Dist.	#Colors
0.0182643	19



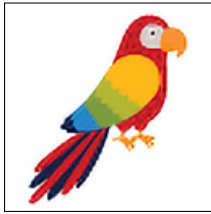
GT

#Colors
12



Input

#Colors
222



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0343429	3845



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0285817	3200



VectorMagic  
(rasterized)

Dist.	#Colors
0.0272052	17



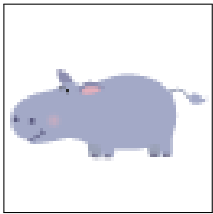
Our Output

Dist.	#Colors
0.0167457	26



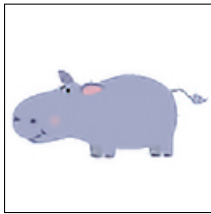
GT

#Colors
13



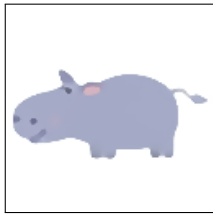
Input

#Colors
123



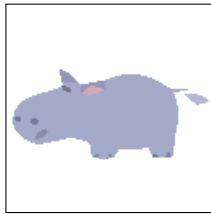
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0103068	1201



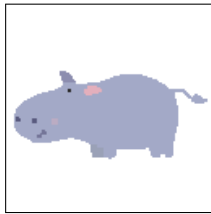
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00736336	817



VectorMagic  
(rasterized)

Dist.	#Colors
0.00888678	14



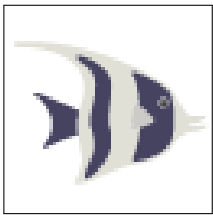
Our Output

Dist.	#Colors
0.00677163	9



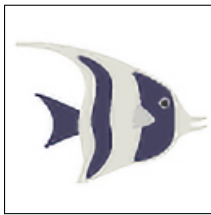
GT

#Colors
51



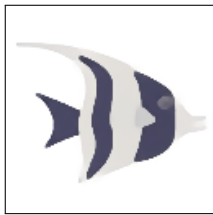
Input

#Colors
74



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0204188	2209



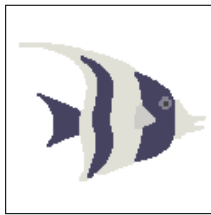
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.018221	1249



VectorMagic  
(rasterized)

Dist.	#Colors
0.0142156	4



Our Output

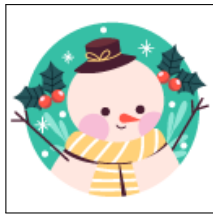
Dist.	#Colors
0.0101084	6



GT

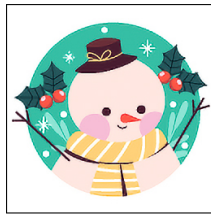
#Colors
7

## 128px input to 256px output



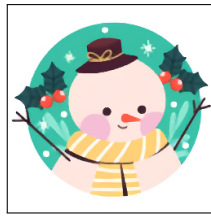
Input

#Colors
540



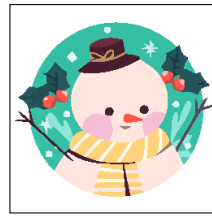
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0367307	13915



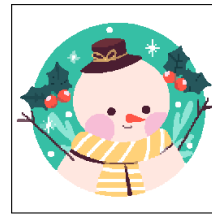
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.033822	14244



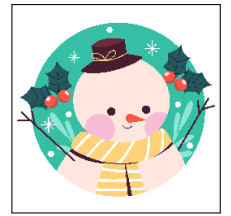
VectorMagic  
(rasterized)

Dist.	#Colors
0.0251616	49



Our Output

Dist.	#Colors
0.0221915	90



GT

#Colors
172



Input

#Colors
452



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0431141	17102



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.037436	16776



VectorMagic  
(rasterized)

Dist.	#Colors
0.028755	57



Our Output

Dist.	#Colors
0.025387	144



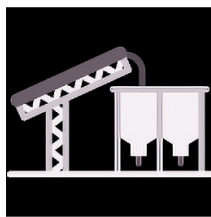
GT

#Colors
12



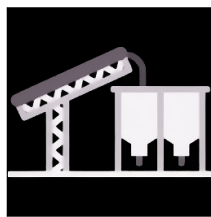
Input

#Colors
120



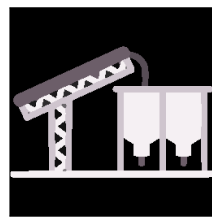
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0315504	6184



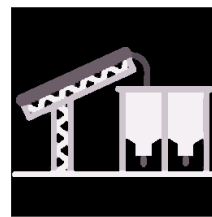
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0191147	4025



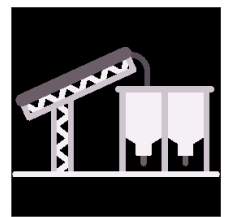
VectorMagic  
(rasterized)

Dist.	#Colors
0.0238477	19



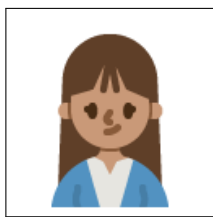
Our Output

Dist.	#Colors
0.00692657	16



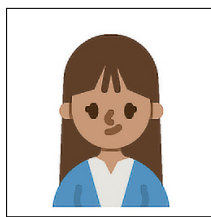
GT

#Colors
5



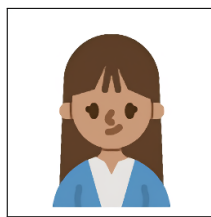
Input

#Colors
139



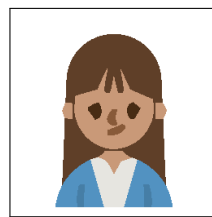
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0148277	6188



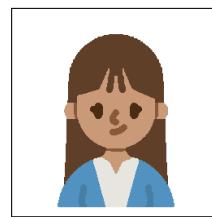
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00967412	3858



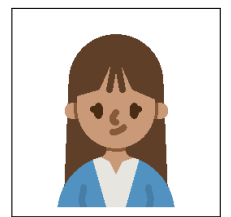
VectorMagic  
(rasterized)

Dist.	#Colors
0.0071681	8



Our Output

Dist.	#Colors
0.00574542	8



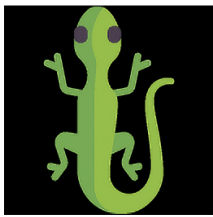
GT

#Colors
8



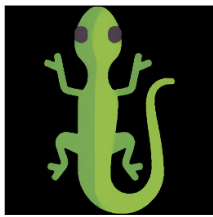
Input

#Colors
83



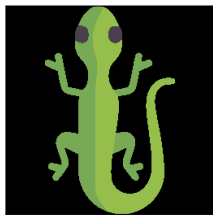
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0151251	5319



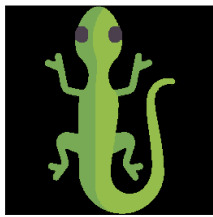
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00816438	3796



VectorMagic  
(rasterized)

Dist.	#Colors
0.007374	4



Our Output

Dist.	#Colors
0.00416891	15



GT

#Colors
4



Input

#Colors
381



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0394599	15510



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0442048	16470



VectorMagic  
(rasterized)

Dist.	#Colors
0.0378488	53



Our Output

Dist.	#Colors
0.0326638	116



GT

#Colors
10



Input

#Colors
287



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0278202	9538



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0234216	9944



VectorMagic  
(rasterized)

Dist.	#Colors
0.0180951	31



Our Output

Dist.	#Colors
0.0149882	58



GT

#Colors
10



Input

#Colors
199



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0190725	5726



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0134604	4762



VectorMagic  
(rasterized)

Dist.	#Colors
0.0117991	7



Our Output

Dist.	#Colors
0.00513714	16



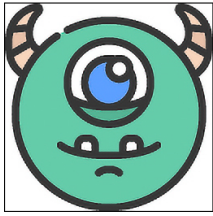
GT

#Colors
7



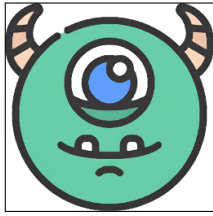
Input

#Colors
97



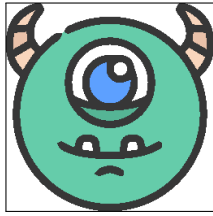
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0407681	10995



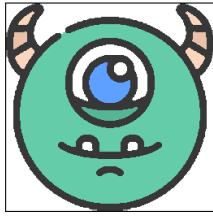
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0237641	7372



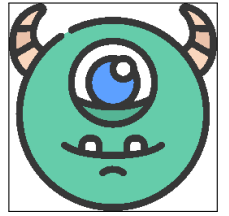
VectorMagic  
(rasterized)

Dist.	#Colors
0.0188729	7



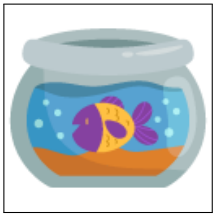
Our Output

Dist.	#Colors
0.00949755	13



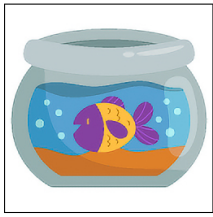
GT

#Colors
7



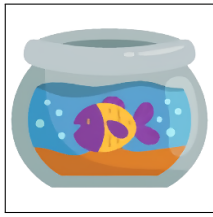
Input

#Colors
493



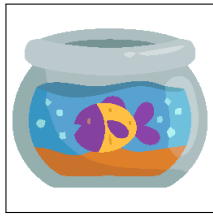
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0205153	10586



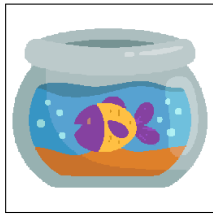
[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0159978	8775



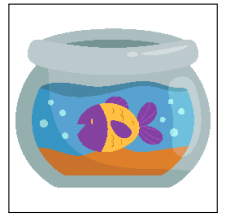
VectorMagic  
(rasterized)

Dist.	#Colors
0.0087925	29



Our Output

Dist.	#Colors
0.00844764	32



GT

#Colors
23



Input

#Colors
70



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0108214	3380



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00826374	2597



VectorMagic  
(rasterized)

Dist.	#Colors
0.00653035	6



Our Output

Dist.	#Colors
0.0028335	12



GT

#Colors
6



Input

#Colors
79



Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.0321724	9831



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.0124517	3842



VectorMagic  
(rasterized)

Dist.	#Colors
0.00675978	9



Our Output

Dist.	#Colors
0.00317411	18



GT

#Colors
8



Input

#Colors
71



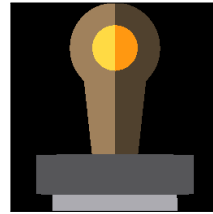
Lightroom  
[Adobe, 2021]

Dist.	#Colors
0.00993295	3191



[Wang et al., 2021]  
retrained

Dist.	#Colors
0.00609048	1866



VectorMagic  
(rasterized)

Dist.	#Colors
0.00603998	7



Our Output

Dist.	#Colors
0.000567861	8



GT

#Colors
7