

rgb(0,0,0);

8 Bit

Possible shade values per channel

256 x 256 x 256



16,777,216
Possible Colors



$$2^8$$

10 Bit

Possible shade values per channel

1,024 x 1,024 x 1,024



1,073,741,824
Possible Colors



$$2^{10}$$

12 Bit

Possible shade values per channel

4,096 x 4,096 x 4,096



Over 68 Billion
Possible Colors

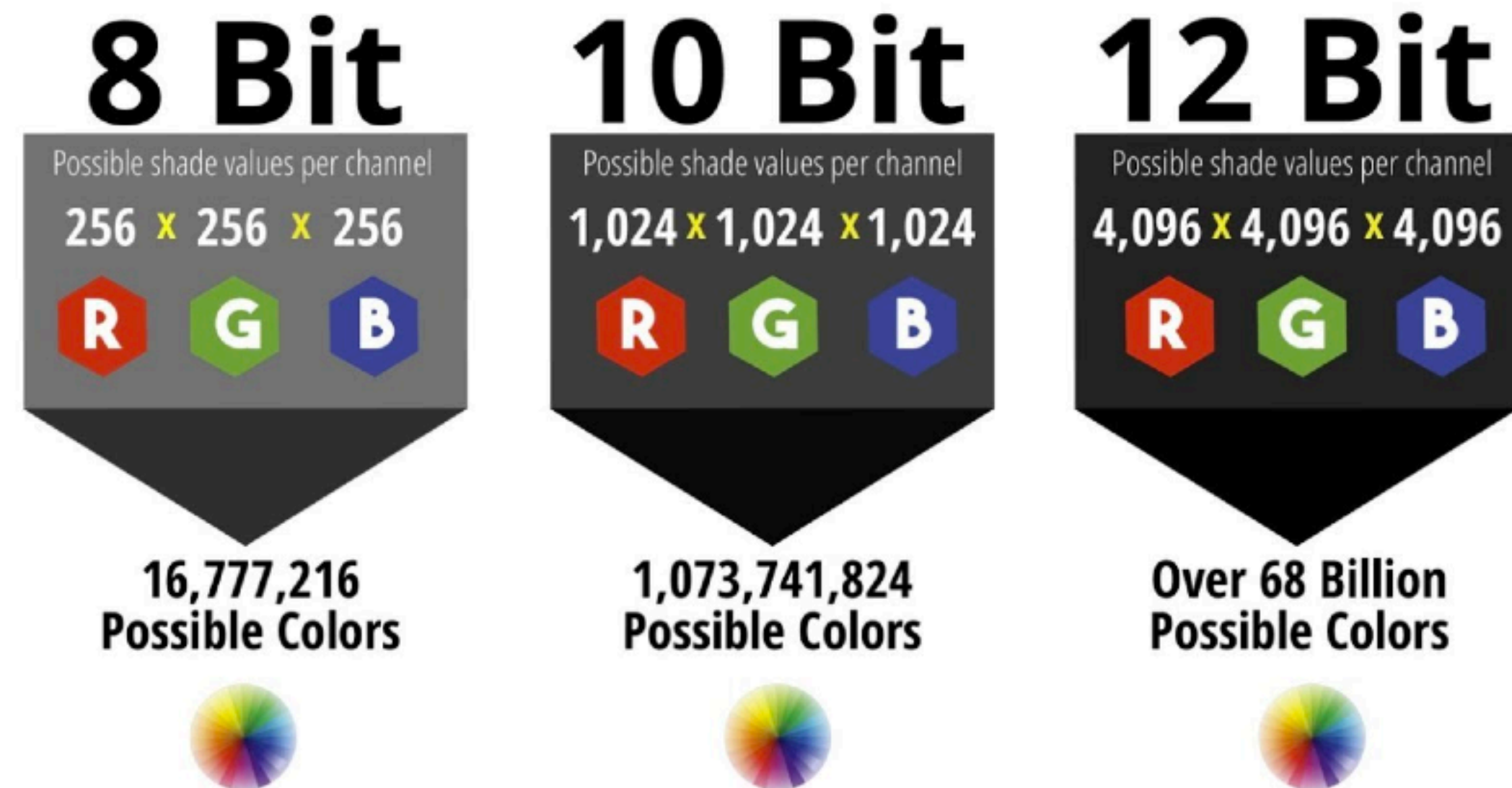


$$2^{12}$$



Digitalcor systems and storage:

Digital color systems and storage:



$$2^8$$

$$2^{10}$$

$$2^{12}$$

More fun...