

ICT Innovators

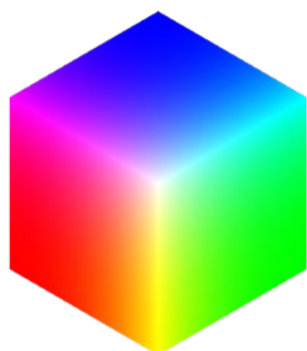
Activity 1: RGB Images

RGB Colour Model

An additive colour model used in computer screens and displays. By adding different combinations of red, green and blue light together in each pixel we can create a large range of colours.

RGB commonly uses an 8 bit per channel of colour system.

2^8 possible shades of blue =256 blue colours



2^8 possible shades of green =256 green colours

2^8 possible shades of red =256 red colours

$256 \times 256 \times 256 = 16.8$ million different possible colours

Instead of using either the RGB or Hex code, we have given you a key to use! The corresponding colours, their key and official codes are below. Use the code to colour the picture and reveal the mystery image.

Colour	Key	Hex	RGB
Black	1	#000000	0, 0, 0
Red	2	#FF0000	255, 0, 0
Yellow	3	#FFFF00	255, 255, 0
Grey	4	#808080	128, 128, 128
Orange	5	#FFA500	255, 165, 0
Brown	6	#8B4513	139, 69, 19
Dark blue	7	#0000FF	0, 0, 255
Sky Blue	8	#00BFFF	0, 191, 255
Green	9	#008000	0, 128, 0
Purple	10	#8A2BE2	138, 43, 226

8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	3	3	3	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	8	3	3	3
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	8	8	3	3
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	8	3
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	8	9	9	9	8	9	9	8	8	8	8	9	9	9	8	9	9	9	8	8
8	8	8	8	9	9	9	8	8	8	8	8	8	9	9	9	8	9	8	8	8
8	8	9	9	9	6	9	9	8	8	8	8	9	9	6	9	8	8	8	8	8
8	8	9	9	8	6	8	9	9	8	8	8	9	8	6	9	9	8	8	8	8
8	8	9	9	8	6	8	8	8	8	8	8	8	8	6	8	8	8	10	1	1
8	8	8	8	8	6	8	8	8	8	8	8	8	8	6	8	8	10	10	1	1
8	8	8	8	8	6	8	8	8	8	8	8	8	8	6	8	10	10	10	1	1
8	8	8	8	8	6	2	8	8	8	8	8	8	2	6	8	8	8	8	8	1
8	8	8	8	8	6	8	2	8	8	8	8	2	8	6	8	8	8	8	8	1
8	8	8	8	8	6	8	2	2	2	2	2	2	2	8	6	8	1	1	1	1
8	8	8	8	8	6	8	8	8	8	8	8	8	8	6	8	8	1	1	1	1
7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7
7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7
7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7

Images: RGB Cube [Image] (n.d.). Retrieved from https://commons.wikimedia.org/wiki/File:RGB_Colorcube_Corner_White.png Images: Vectors from www.freepik.com

ICT Innovators

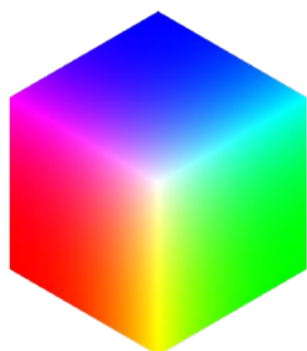
Activity 4: RGB Images

RGB Colour Model

An additive colour model used in computer screens and displays. By adding different combinations of red, green and blue light together in each pixel we can create a large range of colours.

RGB commonly uses an 8 bit per channel of colour system.

2^8 possible shades of blue =256 blue colours



2^8 possible shades of green =256 green colours

2^8 possible shades of red =256 red colours

$256 \times 256 \times 256 = 16.8$ million different possible colours

Instead of using either the RGB or Hex code, we have given you a key to use! The corresponding colours, their key and official codes are below. Use the code to colour the picture and reveal the mystery image.

Colour	Key	Hex	RGB
Black	1	#000000	0, 0, 0
Red	2	#FF0000	255, 0, 0
Yellow	3	#FFFF00	255, 255, 0
Grey	4	#808080	128, 128, 128
Orange	5	#FFA500	255, 165, 0
Brown	6	#8B4513	139, 69, 19
Dark blue	7	#0000FF	0, 0, 255
Sky Blue	8	#00BFFF	0, 191, 255
Green	9	#008000	0, 128, 0
Purple	10	#8A2BE2	138, 43, 226

8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	8	3	3	3		
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	3	3	3	3		
8	8	8	6	6	8	8	8	8	8	8	8	8	6	6	8	8	3	3	3		
8	8	6	0	0	6	8	8	8	8	8	8	6	0	0	6	3	3	8	3		
8	8	6	0	6	6	6	6	6	6	6	6	6	6	6	0	6	8	3	8	3	
8	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	
8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8	
8	8	8	6	6	6	1	6	6	6	1	6	6	6	6	8	8	8	8	8	8	
8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8	
8	8	8	6	6	6	6	1	1	1	6	6	6	6	8	4	8	4	8	4	8	4
8	8	8	6	6	6	6	6	1	6	6	6	6	6	8	4	8	4	8	4	8	4
8	8	8	6	6	6	1	6	1	6	1	6	6	6	8	4	8	4	8	4	8	4
8	8	8	6	6	6	6	1	1	1	6	6	6	6	8	8	4	4	4	4	8	8
8	8	8	8	6	6	6	6	6	6	6	6	6	6	8	8	6	6	6	6	8	8
9	9	9	9	9	6	6	6	6	6	6	6	6	6	9	9	9	6	6	6	9	9
9	9	9	9	9	6	6	6	6	6	6	6	6	6	9	9	9	6	6	6	9	9
9	9	9	9	6	6	6	6	6	6	6	6	6	6	9	9	6	6	6	9	9	9
9	9	9	6	6	6	6	6	6	6	6	6	6	6	9	6	6	6	6	9	9	9
9	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	9	9	9
9	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	9	9	9

Images: RGB Cube [Image] (n.d.). Retrieved from https://commons.wikimedia.org/wiki/File:RGB_Colorcube_Corner_White.png Images: Vectors from www.freepik.com

ICT Innovators

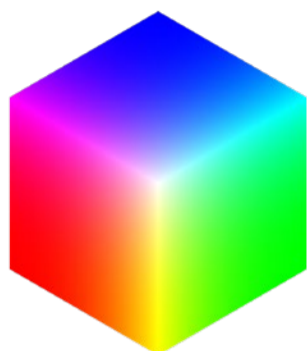
Activity 5: RGB Images

RGB Colour Model

An additive colour model used in computer screens and displays. By adding different combinations of red, green and blue light together in each pixel we can create a large range of colours.

RGB commonly uses an 8 bit per channel of colour system.

2^8 possible shades of blue = 256 blue colours



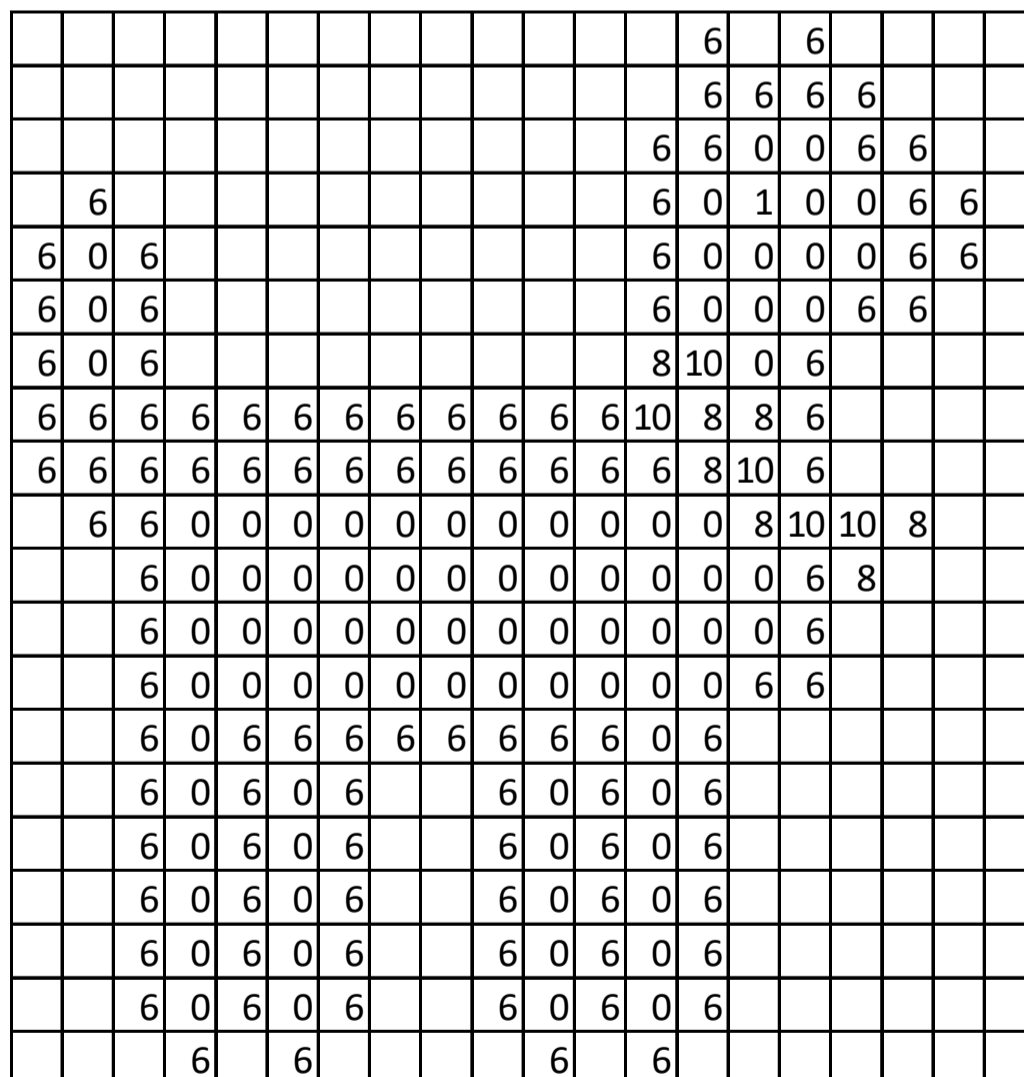
2^8 possible shades of green = 256 green colours

2^8 possible shades of red = 256 red colours

$256 \times 256 \times 256 = 16.8$ million different possible colours

Instead of using either the RGB or Hex code, we have given you a key to use! The corresponding colours, their key and official codes are below. Use the code to colour the picture and reveal the mystery image.

Colour	Key	Hex	RGB
Black	1	#000000	0, 0, 0
Red	2	#FF0000	255, 0, 0
Yellow	3	#FFFF00	255, 255, 0
Grey	4	#808080	128, 128, 128
Orange	5	#FFA500	255, 165, 0
Brown	6	#8B4513	139, 69, 19
Dark blue	7	#0000FF	0, 0, 255
Sky Blue	8	#00BFFF	0, 191, 255
Green	9	#008000	0, 128, 0
Purple	10	#8A2BE2	138, 43, 226



ICT Innovators

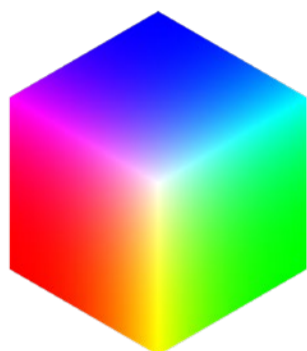
Activity 6: RGB Images

RGB Colour Model

An additive colour model used in computer screens and displays. By adding different combinations of red, green and blue light together in each pixel we can create a large range of colours.

RGB commonly uses an 8 bit per channel of colour system.

2^8 possible shades of blue =256 blue colours



2^8 possible shades of green =256 green colours

2^8 possible shades of red =256 red colours

$256 \times 256 \times 256 = 16.8$ million different possible colours

Instead of using either the RGB or Hex code, we have given you a key to use! The corresponding colours, their key and official codes are below. Use the code to colour the picture and reveal the mystery image.

Colour	Key	Hex	RGB
Black	1	#000000	0, 0, 0
Red	2	#FF0000	255, 0, 0
Yellow	3	#FFFF00	255, 255, 0
Grey	4	#808080	128, 128, 128
Orange	5	#FFA500	255, 165, 0
Brown	6	#8B4513	139, 69, 19
Dark blue	7	#0000FF	0, 0, 255
Sky Blue	8	#00BFFF	0, 191, 255
Green	9	#008000	0, 128, 0
Purple	10	#8A2BE2	138, 43, 226

8	8	8	8	8	8	8	8	8	8	8	8	8	8	6	8	6	8	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8	8	8	6	6	6	6	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8	8	6	6	0	0	6	6	8	8
8	6	8	8	8	8	8	8	8	8	8	8	8	6	0	1	0	0	6	6	8
6	0	6	8	8	8	8	8	8	8	8	8	8	6	0	0	0	0	6	6	8
6	0	6	8	8	8	8	8	8	8	8	8	8	6	0	0	0	6	6	8	8
6	0	6	8	8	8	8	8	8	8	8	8	8	7	10	0	6	8	8	8	8
6	6	6	6	6	6	6	6	6	6	6	6	6	10	7	7	6	8	8	8	8
6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	10	6	8	8	8	8
8	6	6	0	0	0	0	0	0	0	0	0	0	0	0	7	10	10	7	8	8
8	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	8	8	8
8	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	8	8	8
8	8	6	0	0	0	0	0	0	0	0	0	0	0	0	6	6	8	8	8	8
9	9	6	0	6	6	6	6	6	6	6	6	6	0	6	9	8	9	8	9	8
8	9	6	0	6	0	6	9	8	6	0	6	0	6	9	8	9	8	9	8	9
9	9	6	0	6	0	6	9	9	6	0	6	0	6	9	9	9	9	9	9	9
9	8	6	0	6	0	6	9	8	6	0	6	0	6	8	9	8	9	8	9	9
9	9	6	0	6	0	6	9	9	6	0	6	0	6	9	9	9	9	9	9	9
9	9	6	0	6	0	6	9	9	6	0	6	0	6	9	9	9	9	9	9	9
9	9	9	6	9	6	9	9	9	9	6	9	6	9	9	9	9	9	9	9	9

Images: RGB Cube [Image] (n.d.). Retrieved from https://commons.wikimedia.org/wiki/File:RGB_Colorcube_Corner_White.png Images: Vectors from www.freepik.com