

RGB Color Codes Chart

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RGB color picker

R

255

H

0

°

G

255

S

0

%

B

255

V

100

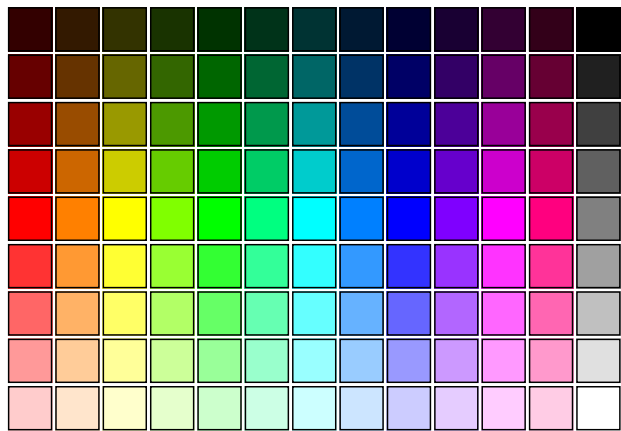
%

#

FFFFFF

RGB color codes chart

Hover with cursor on color to get the hex and decimal color codes below:



Hex: #

660066

Red:

102

Green:

0

Blue:

102

RGB color space

RGB color space or **RGB color system**, constructs all the colors from the combination of the **R**ed, **G**reen and **B**lue colors.

The red, green and blue use 8 bits each, which have integer values from 0 to 255. This makes $256 \times 256 \times 256 = 16777216$ possible colors.

RGB \equiv Red, Green, Blue

Each pixel in the LED monitor displays colors this way, by combination of red, green and blue LEDs (light emitting diodes).

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When the red pixel is set to 0, the LED is turned off. When the red pixel is set to 255, the LED is turned fully on.

Any value between them sets the LED to partial light emission.

RGB color format & calculation

RGB code has 24 bits format (bits 0..23):

RED[7:0]								GREEN[7:0]								BLUE[7:0]									
23								16	15								8	7							0

RGB = (R*65536)+(G*256)+B , (when R is RED, G is GREEN and B is BLUE)

Calculation examples

White RGB Color

White RGB code = $255*65536+255*256+255 = \text{\#FFFFFF}$

Blue RGB Color

Blue RGB code = $0*65536+0*256+255 = \text{\#0000FF}$

Red RGB Color

Red RGB code = $255*65536+0*256+0 = \text{\#FF0000}$

Green RGB Color

Green RGB code = $0*65536+255*256+0 = \text{\#00FF00}$

Gray RGB Color

Gray RGB code = $128*65536+128*256+128 = \text{\#808080}$

Yellow RGB Color

Yellow RGB code = $255*65536+255*256+0 = \text{\#FFFF00}$






































RGB color table













































Basic colors:








	Black	#000000	(0,0,0)
	White	#FFFFFF	(255,255,255)
	Red	#FF0000	(255,0,0)
	Lime	#00FF00	(0,255,0)
	Blue	#0000FF	(0,0,255)
	Yellow	#FFFF00	(255,255,0)
	Cyan / Aqua	#00FFFF	(0,255,255)
	Magenta / Fuchsia	#FF00FF	(255,0,255)
	Silver	#C0C0C0	(192,192,192)
	Gray	#808080	(128,128,128)
	Maroon	#800000	(128,0,0)
	Olive	#808000	(128,128,0)
	Green	#008000	(0,128,0)
	Purple	#800080	(128,0,128)

Color	HTML / CSS Name	Hex Code #RRGGBB	Decimal Code (R,G,B)
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	maroon	#800000	(128,0,0)
	dark red	#8B0000	(139,0,0)
	brown	#A52A2A	(165,42,42)
	firebrick	#B22222	(178,34,34)
	crimson	#DC143C	(220,20,60)
	red	#FF0000	(255,0,0)
	tomato	#FF6347	(255,99,71)
	coral	#FF7F50	(255,127,80)
	indian red	#CD5C5C	(205,92,92)
Color	HTML / CSS Name	Hex Code #RRGGBB	Decimal Code (R,G,B)
	light salmon	#FFA07A	(255,160,122)
	salmon	#FA8072	(250,128,114)
	light salmon	#FFA07A	(255,160,122)
	orange red	#FF4500	(255,69,0)
	dark orange	#FF8C00	(255,140,0)
	orange	#FFA500	(255,165,0)
	gold	#FFD700	(255,215,0)
	dark golden rod	#B8860B	(184,134,11)
	golden rod	#DAA520	(218,165,32)
	pale golden rod	#EEE8AA	(238,232,170)
	dark khaki	#BDB76B	(189,183,107)
	khaki	#F0E68C	(240,230,140)
	olive	#808000	(128,128,0)
	yellow	#FFFF00	(255,255,0)
	yellow green	#9ACD32	(154,205,50)
	dark olive green	#556B2F	(85,107,47)
	olive drab	#6B8E23	(107,142,35)
	lawn green	#7CFC00	(124,252,0)
	chart reuse	#7FFF00	(127,255,0)
	green yellow	#ADFF2F	(173,255,47)
	dark green	#006400	(0,100,0)
	green	#008000	(0,128,0)
	forest green	#228B22	(34,139,34)
	lime	#00FF00	(0,255,0)
	lime green	#32CD32	(50,205,50)
	light green	#90EE90	(144,238,144)
	pale green	#98FB98	(152,251,152)
	dark sea green	#8FBC8F	(143,188,143)
	medium spring green	#00FA9A	(0,250,154)
	spring green	#00FF7F	(0,255,127)
	medium sea green	#3CB371	(60,180,113)

	sea green	#2E8B57	(40,139,87)
	medium aqua marine	#66CDAA	(102,205,170)
	medium sea green	#3CB371	(60,179,113)
	light sea green	#20B2AA	(32,178,170)
	dark slate gray	#2F4F4F	(47,79,79)
	teal	#008080	(0,128,128)
	dark cyan	#008B8B	(0,139,139)
	aqua	#00FFFF	(0,255,255)
	cyan	#00FFFF	(0,255,255)
	light cyan	#E0FFFF	(224,255,255)
	dark turquoise	#00CED1	(0,206,209)
	turquoise	#40E0D0	(64,224,208)
	medium turquoise	#48D1CC	(72,209,204)
	pale turquoise	#AFEEEE	(175,238,238)
	aqua marine	#7FFFD4	(127,255,212)
	powder blue	#B0E0E6	(176,224,230)
	cadet blue	#5F9EA0	(95,158,160)
	steel blue	#4682B4	(70,130,180)
	corn flower blue	#6495ED	(100,149,237)
	deep sky blue	#00BFFF	(0,191,255)
	dodger blue	#1E90FF	(30,144,255)
	light blue	#ADD8E6	(173,216,230)
	sky blue	#87CEEB	(135,206,235)
	light sky blue	#87CEFA	(135,206,250)
	midnight blue	#191970	(25,25,112)
	navy	#000080	(0,0,128)
	dark blue	#00008B	(0,0,139)
	medium blue	#0000CD	(0,0,205)
	blue	#0000FF	(0,0,255)
	royal blue	#4169E1	(65,105,225)
	blue violet	#8A2BE2	(138,43,226)
	indigo	#4B0082	(75,0,130)
	dark slate blue	#483D8B	(72,61,139)
	slate blue	#6A5ACD	(106,90,205)
	medium slate blue	#7B68EE	(123,104,238)
	medium purple	#9370DB	(147,112,219)
	dark magenta	#8B008B	(139,0,139)
	dark violet	#9400D3	(148,0,211)
	dark orchid	#9932CC	(153,50,204)
	medium orchid	#BA55D3	(186,85,211)
	purple	#800080	(128,0,128)
	thistle	#D8BFD8	(216,191,216)
	plum	#DDA0DD	(221,160,221)
	violet	#EE82EE	(238,130,238)
	magenta / fuchsia	#FF00FF	(255,0,255)
	orchid	#DA70D6	(218,112,214)

	medium violet red	#C71585	(199,21,133)
	pale violet red	#DB7093	(219,112,147)
	deep pink	#FF1493	(255,20,147)
	hot pink	#FF69B4	(255,105,180)
	light pink	#FFB6C1	(255,182,193)
	pink	#FFC0CB	(255,192,203)
	antique white	#FAEBD7	(250,235,215)
	beige	#F5F5DC	(245,245,220)
	bisque	#FFE4C4	(255,228,196)
	blanched almond	#FFEBCD	(255,235,205)
	wheat	#F5DEB3	(245,222,179)
	corn silk	#FFF8DC	(255,248,220)
	lemon chiffon	#FFFACD	(255,250,205)
	light golden rod yellow	#FAFAD2	(250,250,210)
	light yellow	#FFFFE0	(255,255,224)
Color	Color Name	Hex Code #RRGGBB	Decimal Code R,G,B
	chocolate	#D2691E	(210,105,30)
	peru	#CD853F	(205,133,63)
	sandy brown	#F4A460	(244,164,96)
	burly wood	#DEB887	(222,184,135)
	tan	#D2B48C	(210,180,140)
	rosy brown	#BC8F8F	(188,143,143)
	moccasin	#FFE4B5	(255,228,181)
	navajo white	#FFDEAD	(255,222,173)
	peach puff	#FFDAB9	(255,218,185)
	misty rose	#FFE4E1	(255,228,225)
	lavender blush	#FFF0F5	(255,240,245)
	linen	#FAF0E6	(250,240,230)
	old lace	#FDF5E6	(253,245,230)
	papaya whip	#FFEFD5	(255,239,213)
	sea shell	#FFF5EE	(255,245,238)
	mint cream	#F5FFFA	(245,255,250)
	slate gray	#708090	(112,128,144)
	light slate gray	#778899	(119,136,153)
	light steel blue	#B0C4DE	(176,196,222)
	lavender	#E6E6FA	(230,230,250)
	floral white	#FFFAF0	(255,250,240)
	alice blue	#F0F8FF	(240,248,255)
	ghost white	#F8F8FF	(248,248,255)
	honeydew	#F0FFF0	(240,255,240)
	ivory	#FFFFF0	(255,255,240)
	azure	#F0FFFF	(240,255,255)
	snow	#FFFAFA	(255,250,250)
	black	#000000	(0,0,0)
	dim gray / dim grey	#696969	(105,105,105)

	gray / grey	#808080	(128,128,128)
	dark gray / dark grey	#A9A9A9	(169,169,169)
	silver	#C0C0C0	(192,192,192)
	light gray / light grey	#D3D3D3	(211,211,211)
	gainsboro	#DCDCDC	(220,220,220)
	white smoke	#F5F5F5	(245,245,245)
	white	#FFFFFF	(255,255,255)

See also

Color	Color Name	Hex Code #RRGGBB	Decimal Code R,G,B
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