



Home > Web > Color > RGB color

RGB Color Codes Chart

[RGB color picker](#) | [RGB color codes chart](#) | [RGB color space](#) | [RGB color format and calculation](#) | [RGB color table](#)

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: #

Red:

Green:

Blue:

RGB color space

RGB color space or **RGB color system**, constructs all the colors from the combination of the **Red**, **Green** and **Blue** 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 LCD monitor displays colors this way, by combination of red, green and blue LEDs (light emitting diodes).

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 = $255 \times 65536 + 255 \times 256 + 255 = \text{\#FFFFFF}$

Blue RGB Color

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

Red RGB Color

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

Green RGB Color

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

Gray RGB Color

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

Yellow RGB Color

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

RGB color table

Basic colors:

Color	HTML / CSS Name	Hex Code #RRGGBB	Decimal Code (R,G,B)
	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)
	Teal	#008080	(0,128,128)
	Navy	#000080	(0,0,128)

Color	Color Name	Hex Code #RRGGBB	Decimal Code R,G,B
	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)
	light coral	#F08080	(240,128,128)
	dark salmon	#E9967A	(233,150,122)

	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)
	sea green	#2E8B57	(46,139,87)
	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	#FADBD8	(250,250,210)
	light yellow	#FFFFE0	(255,255,224)
	saddle brown	#8B4513	(139,69,19)
	sienna	#A0522D	(160,82,45)
	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	#FFFFFF0	(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

- [RGB to hex converter](#)
- [RGB to HSV converter](#)
- [RGB to HSL converter](#)
- [RGB to CMYK converter](#)
- [Color conversions](#)
- [Color wheel chart](#)
- [Screen color tester](#)
- [HTML color codes](#)
- [HTML character codes](#)
- [ASCII table](#)
- [Unicode characters](#)

- [Web color codes](#)
- [Web safe colors](#)
- [Yellow color](#)
- [Gold color](#)

Write how to improve this page

WEB COLORS

- [RGB color](#)
- [Color picker](#)
- [Color scheme](#)
- [Color tester](#)
- [Color wheel](#)
- [HTML color codes](#)
- [Web color codes](#)
- [Web safe colors](#)
- [Blue color](#)
- [Gold color](#)
- [Red color](#)
- [Yellow color](#)

RAPID TABLES

- [Recommend Site](#)

- [Send Feedback](#)
- [About](#)

[Home](#) | [Web](#) | [Math](#) | [Electricity](#) | [Calculators](#) | [Converters](#)

© 2015 [RapidTables.com](#) | [About](#) | [Terms of Use](#) | [Privacy Policy](#)
