

Generating Colors in HTML






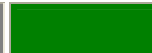


The color samples in the tables below are not images; they are generated by the HTML of this page.









Colors can be produced for a number of **page elements** using the **color names** or **RGB hexadecimal codes** indicated in each of the samples. **The use of HTML elements and attributes for specifying color is deprecated. You are encouraged to use CSS instead.**

Of interest to UT Web authors/designers: **the University of Texas at Austin Visual Guidelines** shows #CC5500 as official "UT burnt orange." It may not appear so on your screen; the wide disparity in color calibration among computer monitors makes it difficult to predict how accurately color will be rendered across the Web. It is best simply to specify the appropriate color and not worry too much how the result will appear on a given monitor (including your own!). In the future, support for the **sRGB (Standard Default color Space for the Internet)** and **ICC** color profiles should reduce this problem.

Named Colors

These 16 colors can be specified by name in **HTML 4**. The color names are case sensitive. So, for example, you could use either "#000000" or "Black" to refer to the color black.

Color								
Name	Aqua	Black	Blue	Fuchsia	Gray	Green	Lime	Maroon
RGB	#00FFFF	#000000	#0000FF	#FF00FF	#808080	#008000	#00FF00	#800000

Color								
Name	Navy	Olive	Purple	Red	Silver	Teal	White	Yellow
RGB	#000080	#808000	#800080	#FF0000	#C0C0C0	#008080	#FFFFFF	#FFFF00

RGB Hexadecimal Coded Colors

Colors may also be specified by six-character codes representing their relative red/green/blue (RGB) values, where the possible values for each color component are 00 to FF. 00 represent the least amount of the color present and FF represents the most of that color present. The first two bytes indicate the amount of red, the second two bytes represent the amount of green and the last two bytes represent the amount of blue.

Hex Value		
Red	Green	Blue
00	00	00

Here are some simple examples:

- Red = #FF0000
- Green = #00FF00
- Blue = #0000FF
- Cyan (blue and green) = #00FFFF
- Magenta (red and blue) = #FF00FF
- Yellow (red and green) = #FFFF00

The number of possible colors represented by this system is $256 * 256 * 256 = 16,777,216$

The six charts below display the 216 possible colors in the Netscape/MSIE palette with their hexadecimal RGB codes (a **seventh chart** displays the gray scale). In each chart the blue value is constant, the vertical axis represents increasing red values, and the horizontal axis represents increasing green values.

The six charts can be visualized as a cube composed of 216 cubelets; the total cube has six layers of thirty-six cubelets; each cubelet is a unique color. Using this metaphor, black (#000000) in the lower left of the first chart is one corner of the cube and white (#ffffff) in the upper right of the last chart is the opposite corner of the cube; the cubelets running through the body of the cube in a line from black to white comprise the **gray scale**.

1 of 6

where blue=00

	FF	FF0000 Red	FF3300 Red(Orange)	ff6600	ff9900	FFCC00 Gold	FFFF00 Yellow
	cc	cc0000	cc3300	cc6600	cc9900	cccc00	ccff00
where red=	99	990000	993300	996600	999900	99cc00	99ff00
	66	660000	663300	666600	669900	66cc00	66ff00
	33	330000	333300	336600	339900	33cc00	33ff00
	00	000000 Black	003300	006600	009900	00cc00	00FF00 Lime
		00	33	66	99	cc	FF

where green=

2 of 6

where blue=33

where red=	ff	ff0033	ff3333	ff6633	ff9933	ffcc33	ffff33
	cc	cc0033	cc3333	cc6633	cc9933	cccc33	ccff33

99	990033	993333	996633	999933	99cc33	99ff33
66	660033	663333	666633	669933	66cc33	66ff33
33	330033	333333	336633	339933	33cc33	33ff33
00	000033	003333	006633	009933	00cc33	00ff33
	00	33	66	99	cc	ff

where green=

3 of 6

where blue=66

where red=

ff	ff0066	ff3366	ff6666	ff9966	ffcc66	ffff66
cc	cc0066	cc3366	cc6666	cc9966	cccc66	ccff66
99	990066	993366	996666	999966	99cc66	99ff66
66	660066	663366	666666	669966	66cc66	66ff66
33	330066	333366	336666	339966	33cc66	33ff66
00	000066	003366	006666	009966	00cc66	00ff66
	00	33	66	99	cc	ff

where green=

4 of 6

where blue=99

where red=

ff	ff0099	ff3399	ff6699	ff9999	ffcc99	ffff99
cc	cc0099	cc3399	cc6699	cc9999	cccc99	ccff99
99	990099	993399	996699	999999	99cc99	99ff99
66	660099	663399	666699	669999	66cc99	66ff99
33	330099	333399	336699	339999	33cc99	33ff99
00	000099	003399	006699	009999	00cc99	00ff99
	00	33	66	99	cc	ff

where green=

5 of 6

where blue=cc

where red=

ff	ff00cc	ff33cc	ff66cc	ff99cc	ffcccc	ffffcc
cc	cc00cc	cc33cc	cc66cc	cc99cc	cccccc	ccffcc
99	9900cc	9933cc	9966cc	9999cc	99cccc	99ffcc
66	6600cc	6633cc	6666cc	6699cc	66cccc	66ffcc
33	3300cc	3333cc	3366cc	3399cc	33cccc	33ffcc
00	0000cc	0033cc	0066cc	0099cc	00cccc	00ffcc
	00	33	66	99	cc	ff

where green=

6 of 6

where blue=ff

where red=

ff	ff00ff	ff33ff	ff66ff	ff99ff	ffccff	ffffff
cc	cc00ff	cc33ff	cc66ff	cc99ff	ccccff	ccffff
99	9900ff	9933ff	9966ff	9999ff	99ccff	99ffff
66	6600ff	6633ff	6666ff	6699ff	66ccff	66ffff
33	3300ff	3333ff	3366ff	3399ff	33ccff	33ffff
00	0000ff	0033ff	0066ff	0099ff	00ccff	00ffff Aqua
	00	33	66	99	cc	ff

where green=

Hexadecimal Gray Scale

000000 Black	333333	666666	999999	cccccc	ffffff White
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HTML Attributes to Specify Color

00C	33C	336	669	99C	CCF	FFF	FFC	FF9	FFC	FF9	CC6	993	660	CC0	330
C00	C00	600	933	C66	F99	FCC	C99	933	CCC	9CC	699	366	033	099	033
33C	66C	00F	33F	66F	99F	CCF				CC9	996	993	990	663	660
C33	C66	F00	F33	F66	F99	FCC				9CC	699	399	099	366	066
006	336	009	339	669	99C				FFC	FF9	FF6	FF3	FF0	CC6	CC3
600	633	900	933	966	C99				CFE	9FF	6FF	3FF	0FF	6CC	3CC
003	00C	006	339	66C	99F	CCF	339	99C	CCC	CC9	996	663	330	990	CC0
300	C33	633	966	C99	FCC	FFF	9FF	CFE	CFE	9FF	6CC	399	066	0CC	0CC
00F	33F	009	00C	33F	99F	99C	006	669	999	999	993	660	660	CC3	CC0
F33	F66	933	C66	F99	FFF	CCC	6CC	9CC	9FF	9CC	3FF	0CC	099	3FF	0FF
00F	66F	33C	009	66F	66C	669	003	336	666	666	666	330	993	CC6	990
F66	F99	C66	966	FFF	CCC	999	366	699	6FF	6CC	699	099	3CC	6FF	0FF
00F	66F	33C	33F	33C	339	336	006	003	333	333	333	333	663	996	660
F99	FCC	C99	FFF	CCC	999	666	699	399	3FF	3CC	399	366	3CC	6FF	0FF
00F	33F	00F	00C	009	006	003	339	336	000	000	000	000	000	663	330
FCC	FCC	FFF	CCC	999	666	333	9CC	6CC	0FF	0CC	099	066	033	3FF	0FF
00C	© 2006 VisiBone				009	33C	66C	669	336	003					330
C99					9CC	CFE	CFE	9FF	6FF	3CC					0CC
						00C	009	006	003						
						CFE	9FF	6FF	3FF						

Decimal

255,	204,	153,	102,	51,	0,	255,	255,	255,	255,							S
255,	204,	153,	102,	51,	0,	204,	153,	102,	51,							
255	204	153	102	51	0	0	0	0	0							
153,	204,					204,	255,	255,	255,	255,	204,					204,
0	0					153,	204,	153,	102,	102,	51,					0,
						0	51	0	0	0	0					51
204,	204,	51,	102,	153,	204,	255,	204,	204,	51,	102,	153,	204,	255,	255,	255,	255,
255,	255,	51,	102,	153,	204,	255,	153,	102,	0,	0,	0,	0,	0,	51,	0,	0,
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153,	204,	153,	102,	153,	204,	255,	153,	153,	102,	153,	204,	255,	204,	255,	255,	255,
255,	255,	204,	102,	153,	204,	255,	102,	51,	51,	51,	51,	51,	51,	102,	102,	0,
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102,	153,	102,	102,	153,	204,	255,	153,	102,	153,	204,	255,	153,	204,	255,	255,	255,
255,	255,	204,	153,	153,	204,	255,	102,	51,	102,	102,	102,	102,	102,	102,	102,	0,
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51,	102,	51,	102,	153,	204,	255,	204,	204,	255,	255,	255,	255,	255,	255,	255,	255,
255,	255,	153,	204,	255,	204,	255,	153,	102,	153,	153,	153,	153,	51,	0,	0,	0,
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0,	102,	51,	0,	102,	102,	102,	0,	51,	102,	102,	102,	102,	51,	153,	204,	153,
255,	255,	204,	153,	255,	204,	153,	51,	102,	102,	102,	102,	102,	0,	51,	102,	0,
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0,	102,	51,	51,	51,	51,	51,	0,	0,	51,	51,	51,	51,	51,	102,	153,	102,
255,	255,	204,	255,	204,	153,	102,	102,	51,	51,	51,	51,	51,	51,	102,	153,	102,
153	204	153	255	204	153	102	102	153	153	255	204	153	102	204	255	255
0,	51,	0,	0,	0,	0,	0,	51,	51,	0,	0,	0,	0,	0,	0,	102,	51,
255,	255,	255,	204,	153,	102,	51,	153,	102,	0,	0,	0,	0,	0,	0,	51,	0,
204	204	255	204	153	102	51	204	204	255	204	153	102	51	255	255	255

0,
204,
153

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0, 51, 102, 102, 51, 0,
153, 204, 204, 153, 102, 51,
204 255 255 255 255 204

0, 0, 0, 0,
204, 153, 102, 51,
255 255 255 255

51,
0,
204