

Browser Safe Color

In order to maximize having a web page look the same on different monitors and different computing platforms (Mac and Windows), we are limited to 216 colors on the Web. This is because each operating system reserves some colors for itself -- and the two don't reserve the same colors. UNIX is an entirely different breed.

The following (long) [table](#) is how I determine what these 216 browser-safe colors look like on my Sony 17sfII + PowerMac. Because color translates differently from paper to screen, I created this table rather than relying on books (or mousepads). I have also discovered that GIFs of the 216 colors sometimes look different (to my eye) than the colors as rendered by the browser via HTML code. Finally, this HTML document is smaller (file size) than an equivalent GIF.

In this table, I've made the areas of "white" between the blocks relatively large in order to more accurately judge the color. That being said, colors will still appear different depending on room lighting, depending upon which colors are next to them (or over them), and whether they are being viewed on a PC or Mac or Sun (brightness).

Moreover the same color will appear different to different people, because color is literally in the eye of the beholder. And about 8 percent of the male population suffers some degree of "color blindness."

Attention!

To read this table, your browser must support the **non-standard BGCOLOR tag** within table cells. This means Netscape 3.0 or later. All table cells are 75x75 (even though some colors make their cells appear smaller or larger than their neighbor).

Browser Safe (216) Color Palette

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Some colors may appear in more than one color section. Use this formula to convert to RGB:

00 = 000 || 33 = 051 || 66 = 102 || 99 = 153 || CC = 204 || FF = 255

Blues

330066	333366	000099	000066	003366
330099	3300FF	336699	006699	003399
0099FF	0066FF	0033FF	0000FF	0000CC
0033CC	0066CC	0099CC	3333FF	3366FF
3399FF	33CCFF	66FFFF	6699CC	6699FF

66CCFF	99CCFF	99FFFF	00FFFF	00CCFF
CCFFFF	3366CC	3399CC	33FFFF	33CCCC
6600FF	3333CC	333399	3300CC	6666CC
9999CC	666699	6633FF	6666FF	9999FF
6600CC	6633CC			

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Purples

9966FF	9933FF	9900FF	CC00FF	CC33FF
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CC66FF	CC99FF	CCCCFF	9966CC	996699
660099	663399	9900CC	9933CC	990099
CC6699	CC00CC	CC33CC	CC66CC	990066
CC99CC	993399	663366	FF99FF	660066

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Reds and Pinks

CC0000	FF0000	CC3333	CC3300	990000
FF0000	FF3300	FF0033	FF3333	FF6600

FF6633	FF0066	FF3366	FF6666	FF0099
FF3399	FF6699	FF9999	FF00CC	FF33CC
FF66CC	FF99CC	FFCCCC	FF00FF	FF33FF
990033	CC0066	CC3366	CC0099	CC3399
993366	CC9999	CC6666	FF66FF	FFCCFF

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Greens

339900	33CC00	33FF00	66FF00	66CC00
---------------	---------------	---------------	---------------	---------------

339933	33CC33	33FF33	66FF33	66CC33
669933	339966	33CC66	33FF66	66FF66
66CC66	669966	66CC99	66FF99	33FF99
33CC99	339999	33FFCC	66FFCC	66CCCC
CCFF99	CCFF66	CCFF33	CCFF00	CCFFCC
006666	006633	006600	006600	009900
009933	009966	009999	00CC99	00CC66
00CC33	00CC00	00FF00	00FF33	00FF66

00FF99	00FFCC	99FFCC	99FF99	99FF66
99FF33	99FF00	99CC00	99CC33	99CC66
99CC99	999966	999933	999900	669900
336600	336633	00CCCC	336666	
99CCCC	669999			

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Yellows

FFFF00	FFCC00	FF9900	FFFF33	FFFF66
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Greys



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Everything Else



999966	999933	999900	CC9955	CC6633
CC6600	FFFFFF	330000	333300	330033
333333	003333	003333	003300	000000
666633	666600	CCCC00	CCCC99	
FF9966	FFCC99			

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