**Color Examples**

|  |  |  |
| --- | --- | --- |
| **Color** | **Color HEX** | **Color RGB** |
|  | #000000 | rgb(0,0,0) |
|  | #FF0000 | rgb(255,0,0) |
|  | #00FF00 | rgb(0,255,0) |
|  | #0000FF | rgb(0,0,255) |
|  | #FFFF00 | rgb(255,255,0) |
|  | #00FFFF | rgb(0,255,255) |
|  | #FF00FF | rgb(255,0,255) |
|  | #C0C0C0 | rgb(192,192,192) |
|  | #FFFFFF | rgb(255,255,255) |

[Try it yourself »](http://www.w3schools.com/cssref/tryit.asp?filename=trycss_colorhex)

**16 Million Different Colors**

The combination of Red, Green and Blue values from 0 to 255 gives a total of more than 16 million different colors to play with (256 x 256 x 256).

Most modern monitors are capable of displaying at least 16384 different colors.

If you look at the color table below, you will see the result of varying the red light from 0 to 255, while keeping the green and blue light at zero.

To see a full list of color mixes when the red light varies from 0 to 255, click on one of the hex or rgb values below.

|  |  |  |
| --- | --- | --- |
| **Red Light** | **HEX** | **RGB** |
|  | [#000000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=0) | [rgb(0,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=0) |
|  | [#080000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=8) | [rgb(8,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=8) |
|  | [#100000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=16) | [rgb(16,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=16) |
|  | [#180000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=24) | [rgb(24,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=24) |
|  | [#200000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=32) | [rgb(32,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=32) |
|  | [#280000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=40) | [rgb(40,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=40) |
|  | [#300000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=48) | [rgb(48,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=48) |
|  | [#380000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=56) | [rgb(56,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=56) |
|  | [#400000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=64) | [rgb(64,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=64) |
|  | [#480000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=72) | [rgb(72,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=72) |
|  | [#500000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=80) | [rgb(80,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=80) |
|  | [#580000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=88) | [rgb(88,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=88) |
|  | [#600000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=96) | [rgb(96,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=96) |
|  | [#680000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=104) | [rgb(104,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=104) |
|  | [#700000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=112) | [rgb(112,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=112) |
|  | [#780000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=120) | [rgb(120,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=120) |
|  | [#800000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=128) | [rgb(128,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=128) |
|  | [#880000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=136) | [rgb(136,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=136) |
|  | [#900000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=144) | [rgb(144,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=144) |
|  | [#980000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=152) | [rgb(152,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=152) |
|  | [#A00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=160) | [rgb(160,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=160) |
|  | [#A80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=168) | [rgb(168,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=168) |
|  | [#B00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=176) | [rgb(176,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=176) |
|  | [#B80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=184) | [rgb(184,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=184) |
|  | [#C00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=192) | [rgb(192,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=192) |
|  | [#C80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=200) | [rgb(200,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=200) |
|  | [#D00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=208) | [rgb(208,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=208) |
|  | [#D80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=216) | [rgb(216,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=216) |
|  | [#E00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=224) | [rgb(224,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=224) |
|  | [#E80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=232) | [rgb(232,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=232) |
|  | [#F00000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=240) | [rgb(240,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=240) |
|  | [#F80000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=248) | [rgb(248,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=248) |
|  | [#FF0000](http://www.w3schools.com/cssref/css_colorsmore.asp?color=255) | [rgb(255,0,0)](http://www.w3schools.com/cssref/css_colorsmore.asp?color=255) |

**Shades of Gray**

Gray colors are displayed using an equal amount of power to all of the light sources. To make it easier for you to select the right gray color we have compiled a table of gray shades for you:

|  |  |  |
| --- | --- | --- |
| **Gray Shades** | **HEX** | **RGB** |
|  | #000000 | rgb(0,0,0) |
|  | #080808 | rgb(8,8,8) |
|  | #101010 | rgb(16,16,16) |
|  | #181818 | rgb(24,24,24) |
|  | #202020 | rgb(32,32,32) |
|  | #282828 | rgb(40,40,40) |
|  | #303030 | rgb(48,48,48) |
|  | #383838 | rgb(56,56,56) |
|  | #404040 | rgb(64,64,64) |
|  | #484848 | rgb(72,72,72) |
|  | #505050 | rgb(80,80,80) |
|  | #585858 | rgb(88,88,88) |
|  | #606060 | rgb(96,96,96) |
|  | #686868 | rgb(104,104,104) |
|  | #707070 | rgb(112,112,112) |
|  | #787878 | rgb(120,120,120) |
|  | #808080 | rgb(128,128,128) |
|  | #888888 | rgb(136,136,136) |
|  | #909090 | rgb(144,144,144) |
|  | #989898 | rgb(152,152,152) |
|  | #A0A0A0 | rgb(160,160,160) |
|  | #A8A8A8 | rgb(168,168,168) |
|  | #B0B0B0 | rgb(176,176,176) |
|  | #B8B8B8 | rgb(184,184,184) |
|  | #C0C0C0 | rgb(192,192,192) |
|  | #C8C8C8 | rgb(200,200,200) |
|  | #D0D0D0 | rgb(208,208,208) |
|  | #D8D8D8 | rgb(216,216,216) |
|  | #E0E0E0 | rgb(224,224,224) |
|  | #E8E8E8 | rgb(232,232,232) |
|  | #F0F0F0 | rgb(240,240,240) |
|  | #F8F8F8 | rgb(248,248,248) |
|  | #FFFFFF | rgb(255,255,255) |

**Web Safe Colors?**

Some years ago, when computers supported max 256 different colors, a list of 216 "Web Safe Colors" was suggested as a Web standard, reserving 40 fixed system colors.

This is not important now, since most computers can display millions of different colors, but the choice is left to you.

The 216 cross-browser color palette was created to ensure that all computers would display the colors correctly when running a 256 color palette:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 000000 | 000033 | 000066 | 000099 | 0000CC | 0000FF |
| 003300 | 003333 | 003366 | 003399 | 0033CC | 0033FF |
| 006600 | 006633 | 006666 | 006699 | 0066CC | 0066FF |
| 009900 | 009933 | 009966 | 009999 | 0099CC | 0099FF |
| 00CC00 | 00CC33 | 00CC66 | 00CC99 | 00CCCC | 00CCFF |
| 00FF00 | 00FF33 | 00FF66 | 00FF99 | 00FFCC | 00FFFF |
| 330000 | 330033 | 330066 | 330099 | 3300CC | 3300FF |
| 333300 | 333333 | 333366 | 333399 | 3333CC | 3333FF |
| 336600 | 336633 | 336666 | 336699 | 3366CC | 3366FF |
| 339900 | 339933 | 339966 | 339999 | 3399CC | 3399FF |
| 33CC00 | 33CC33 | 33CC66 | 33CC99 | 33CCCC | 33CCFF |
| 33FF00 | 33FF33 | 33FF66 | 33FF99 | 33FFCC | 33FFFF |
| 660000 | 660033 | 660066 | 660099 | 6600CC | 6600FF |
| 663300 | 663333 | 663366 | 663399 | 6633CC | 6633FF |
| 666600 | 666633 | 666666 | 666699 | 6666CC | 6666FF |
| 669900 | 669933 | 669966 | 669999 | 6699CC | 6699FF |
| 66CC00 | 66CC33 | 66CC66 | 66CC99 | 66CCCC | 66CCFF |
| 66FF00 | 66FF33 | 66FF66 | 66FF99 | 66FFCC | 66FFFF |
| 990000 | 990033 | 990066 | 990099 | 9900CC | 9900FF |
| 993300 | 993333 | 993366 | 993399 | 9933CC | 9933FF |
| 996600 | 996633 | 996666 | 996699 | 9966CC | 9966FF |
| 999900 | 999933 | 999966 | 999999 | 9999CC | 9999FF |
| 99CC00 | 99CC33 | 99CC66 | 99CC99 | 99CCCC | 99CCFF |
| 99FF00 | 99FF33 | 99FF66 | 99FF99 | 99FFCC | 99FFFF |
| CC0000 | CC0033 | CC0066 | CC0099 | CC00CC | CC00FF |
| CC3300 | CC3333 | CC3366 | CC3399 | CC33CC | CC33FF |
| CC6600 | CC6633 | CC6666 | CC6699 | CC66CC | CC66FF |
| CC9900 | CC9933 | CC9966 | CC9999 | CC99CC | CC99FF |
| CCCC00 | CCCC33 | CCCC66 | CCCC99 | CCCCCC | CCCCFF |
| CCFF00 | CCFF33 | CCFF66 | CCFF99 | CCFFCC | CCFFFF |
| FF0000 | FF0033 | FF0066 | FF0099 | FF00CC | FF00FF |
| FF3300 | FF3333 | FF3366 | FF3399 | FF33CC | FF33FF |
| FF6600 | FF6633 | FF6666 | FF6699 | FF66CC | FF66FF |
| FF9900 | FF9933 | FF9966 | FF9999 | FF99CC | FF99FF |
| FFCC00 | FFCC33 | FFCC66 | FFCC99 | FFCCCC | FFCCFF |
| FFFF00 | FFFF33 | FFFF66 | FFFF99 | FFFFCC | FFFFFF |