

Converting Colors

RGB(51, 51, 198)

Have a look what the booklet for
RGB(51, 51, 198) contains.

RGB(51, 51, 198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	28

Color

RGB(51, 51, 198)

Conversions

Conversions Part 1

Format	Color
Hex	3333C6
RGB	51, 51, 198
RGB Percent	20%, 20%, 78%
CMY	0.8000, 0.8000, 0.2235
CMYK	0.74, 0.74, 0.00, 0.22
HSL	240°, 59%, 49%
HSV	240°, 74%, 78%
XYZ	12.7421, 7.1487, 54.1343
YIQ	67.7580, -47.1870, 45.7170

Conversions

Conversions Part 2

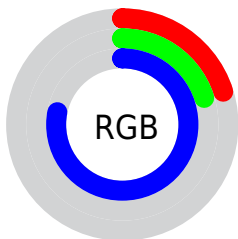
Format	Color
R_{YB}	51, 51, 198
Decimal	3355590
CIE _{Lab}	32.14, 48.39, -75.44
CIE _{LCh}	32, 89.621, 302.678
Yxy	7.1487, 0.1721, 0.0966
Android (android.graphics.Color)	4281545670 (0xFF3333C6)
YUV	67.7580, 64.2093, -14.6968
Hunter-Lab	26.7370, 38.2783, -101.3283

Details

The RGB color **51, 51, 198** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **198, 198, 51**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **120, 99, 255**, and **0, 5, 143** is the 20% darker color. If you saturate the color by 10%, you get **31, 31, 198**, and if you desaturate by 10%, it is **71, 71, 198**.

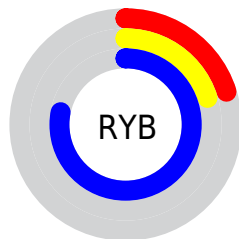
Distribution



Red (20%)

Green (20%)

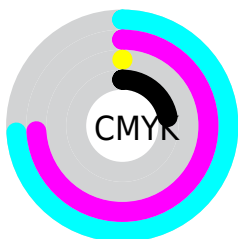
Blue (78%)



Red (20%)

Yellow (20%)

Blue (78%)

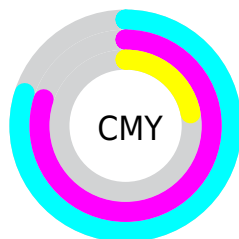


Cyan (74%)

Magenta (74%)

Yellow (0%)

Black (22%)



Cyan (80%)

Magenta (80%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 51, 51, 198 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 51, 51, 198 by changing the saturation by 10% instead.

 51, 51, 198


 51, 51, 198


255, 255, 255


 0, 28, 170

 120, 99, 255

 0, 5, 143

 151, 125, 255

 0, 0, 116

 181, 151, 255

 0, 2, 90

 212, 178, 255

 0, 7, 66

 242, 206, 255

 0, 3, 43

 255, 235, 255

 0, 1, 21

 0, 0, 0

 51, 51, 198

 51, 51, 198

■ 31, 31, 198

■ 71, 71, 198

■ 11, 11, 198

■ 91, 91, 198

■ 0, 0, 198

■ 110, 110, 198

■ 130, 130, 198

■ 150, 150, 198

■ 170, 170, 198

■ 190, 190, 198

■ 209, 209, 198

■ 229, 229, 198

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 86, 222



51, 51, 198



158, 0, 142

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51, 51, 198



142, 40, 0



0, 99, 81

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 51, 198



198, 198, 51

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 97, 0



51, 51, 198



88, 76, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51, 51, 198



178, 0, 1



0, 91, 0



0, 101, 152

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 51, 198



183, 0, 96



0, 91, 0



0, 99, 56

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 51, 198



199, 199, 255



51, 198, 198



94, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 51, 198



28, 28, 255



125, 51, 198



90, 90, 99



0, 0, 163



0, 0, 36

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



198, 51, 198



255, 28, 255



125, 198, 51



99, 90, 99



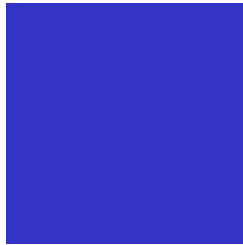
163, 0, 163



36, 0, 36

Previews

White Background



This preview shows how the RGB color 51, 51, 198 looks on a white background.

Color Contrast Check

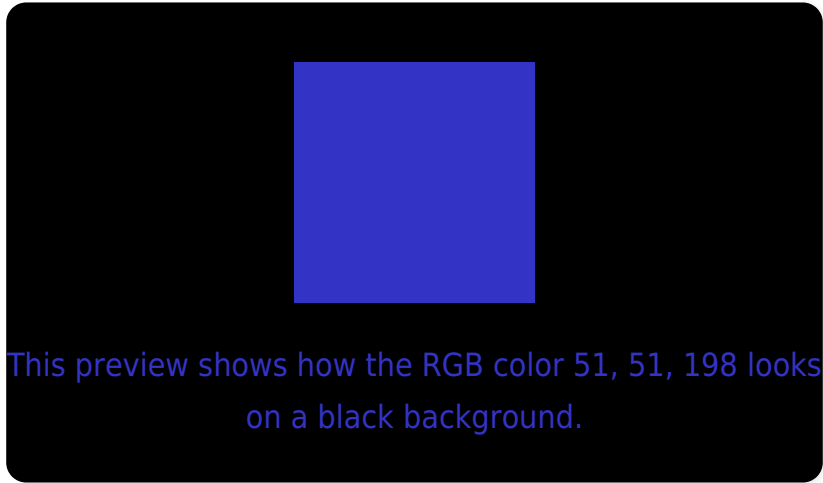
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

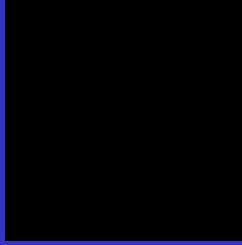
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 51, 51, 198 Background



This preview shows how black text looks on a background with the RGB color 51, 51, 198.



This preview shows how white text looks on a background with the RGB color 51, 51, 198.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Trichromacy



Original Color
51, 51, 198

Protanomaly
19, 65, 169

Tritanomaly
19, 72, 129

Monochromacy



Original Color
51, 51, 198

Achromatopsia
68, 68, 68

Achromatomaly
62, 62, 115

CSS Examples

Text

The CSS property to change the color of the text to RGB 51, 51, 198 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 51, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 51, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 51, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 51, 198) }
```

Border

The CSS property to change the border of an element to RGB 51, 51, 198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 51, 198) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 51, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 51, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 51, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 51, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 51,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 51, 51, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 51, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 51,  
198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor