

Converting Colors

RGB(50, 118, 235)

Have a look what the booklet for
RGB(50, 118, 235) contains.

RGB(50, 118, 235)	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>	29

Color

RGB(50, 118, 235)

Conversions

Conversions Part 1

Format	Color
Hex	3276EB
RGB	50, 118, 235
RGB Percent	20%, 46%, 92%
CMY	0.8039, 0.5373, 0.0784
CMYK	0.79, 0.50, 0.00, 0.08
HSL	218°, 82%, 56%
HSV	218°, 79%, 92%
XYZ	22.7892, 19.6331, 81.1857
YIQ	111.0060, -78.0850, 21.9710

Conversions

Conversions Part 2

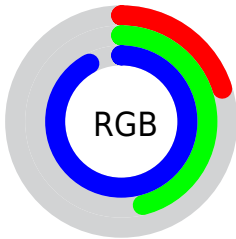
Format	Color
R _Y B	50, 100, 235
Decimal	3307243
CIE Lab	51.42, 20.02, -65.12
CIE LCh	51, 68.125, 287.090
Yxy	19.6331, 0.1844, 0.1588
Android (android.graphics.Color)	4281497323 (0xFF3276EB)
YUV	111.0060, 61.1290, -53.5023
Hunter-Lab	44.3093, 14.2651, -77.6176

Details

The RGB color **50, 118, 235** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **235, 167, 50**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **123, 169, 255**, and **0, 71, 178** is the 20% darker color. If you saturate the color by 10%, you get **26, 103, 235**, and if you desaturate by 10%, it is **73, 133, 235**.

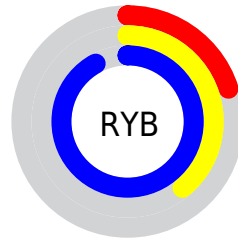
Distribution



Red (20%)

Green (46%)

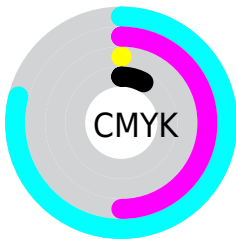
Blue (92%)



Red (20%)

Yellow (39%)

Blue (92%)

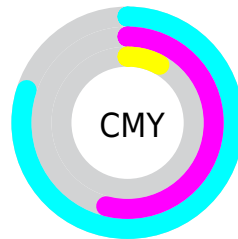


Cyan (79%)

Magenta (50%)

Yellow (0%)

Black (8%)



Cyan (80%)


















Magenta (54%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 50, 118, 235 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 50, 118, 235 by changing the saturation by 10% instead.

 50, 118, 235	 50, 118, 235
 255, 255, 255	 0, 94, 206
 123, 169, 255	 0, 71, 178
 155, 197, 255	 0, 50, 151
 186, 224, 255	 0, 31, 124
 217, 253, 255	 0, 5, 99
 248, 255, 255	 0, 9, 74
	 0, 4, 50
	 0, 2, 28
	 0, 0, 0

■ 50, 118, 235

■ 50, 118, 235

■ 26, 103, 235

■ 73, 133, 235

■ 3, 88, 235

■ 97, 148, 235

■ 0, 86, 235

■ 120, 163, 235

■ 144, 177, 235

■ 167, 192, 235

■ 191, 207, 235

■ 214, 222, 235

■ 238, 237, 235

■ 255, 252, 235

Harmonies

Analogous

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



0, 137, 237



50, 118, 235



166, 90, 203

Triad

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



50, 118, 235



207, 84, 37



0, 147, 94

Complementary

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



50, 118, 235



235, 167, 50

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.



37, 141, 33



50, 118, 235



169, 111, 0

Square

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



50, 118, 235



224, 58, 92



117, 130, 0



0, 148, 155

Rectangle

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



50, 118, 235



202, 69, 169



117, 130, 0



0, 145, 74

Sweetspot

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



50, 118, 235



194, 216, 255



50, 235, 164



91, 104, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 118, 235



15, 103, 255



72, 50, 235



106, 110, 117



0, 67, 181



0, 20, 54

Inverse Universe

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



235, 50, 118



255, 15, 103



213, 235, 50



117, 106, 110



181, 0, 67



54, 0, 20

Previews

White Background



This preview shows how the RGB color 50, 118, 235 looks on a white background.

Color Contrast Check

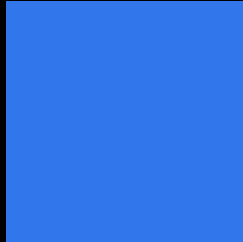
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 50, 118, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

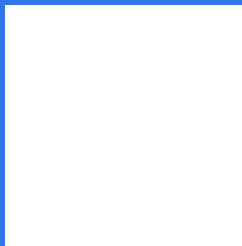
Any Text WCAG AAA × Fail

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

RGB 50, 118, 235 Background



This preview shows how black text looks on a background with the RGB color 50, 118, 235.



This preview shows how white text looks on a background with the RGB color 50, 118, 235.

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



Original Color

50, 118, 235

Protanopia

53, 118, 235

Deuteranopia

0, 124, 217



Tritanopia
0, 135, 145

Trichromacy



Original Color

50, 118, 235

Protanomaly

52, 118, 235

Deuteranomaly

18, 122, 224

Tritanomaly

18, 129, 178

Monochromacy



Original Color

50, 118, 235

Achromatopsia

111, 111, 111

Achromatomaly

89, 114, 156

CSS Examples

Text

The CSS property to change the color of the text to RGB 50, 118, 235 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(50, 118, 235)` looks like.

```
.text, #text, p{  
    color:rgb(50, 118, 235)  
}
```

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(50, 118, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 118, 235) }
```

Border

The CSS property to change the border of an element to RGB 50, 118, 235 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(50, 118, 235) }
```

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

```
.border{ border-color:rgb(50, 118, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 118, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 118, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 118, 235);  
box-shadow:4px 4px 4px 4px rgb(50, 118,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 50, 118, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 118, 235) }
```

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

```
.background{ background-color: rgb(50, 118,  
235) }
```

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](#).

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