

Converting Colors

RGB(49, 118, 238)

Have a look what the booklet for
RGB(49, 118, 238) contains.

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Color

RGB(49, 118, 238)

Conversions

Conversions Part 1

Format	Color
Hex	3176EE
RGB	49, 118, 238
RGB Percent	19%, 46%, 93%
CMY	0.8078, 0.5373, 0.0667
CMYK	0.79, 0.50, 0.00, 0.07
HSL	218°, 85%, 56%
HSV	218°, 79%, 93%
XYZ	23.1777, 19.7829, 83.4858
YIQ	111.0490, -79.6440, 22.6920

Conversions

Conversions Part 2

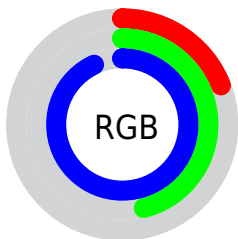
Format	Color
R _Y B	49, 100, 238
Decimal	3241710
CIE Lab	51.59, 21.04, -66.52
CIE LCh	52, 69.766, 287.551
Yxy	19.7829, 0.1833, 0.1565
Android (android.graphics.Color)	4281431790 (0xFF3176EE)
YUV	111.0490, 62.5868, -54.4170
Hunter-Lab	44.4780, 15.1808, -80.1537

Details

The RGB color **49, 118, 238** 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 **238, 169, 49**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **124, 169, 255**, and **0, 71, 181** is the 20% darker color. If you saturate the color by 10%, you get **25, 103, 238**, and if you desaturate by 10%, it is **73, 133, 238**.

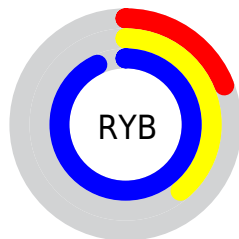
Distribution



Red (19%)

Green (46%)

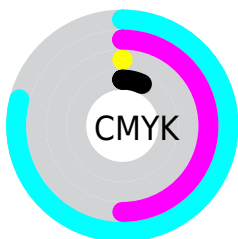
Blue (93%)



Red (19%)

Yellow (39%)

Blue (93%)

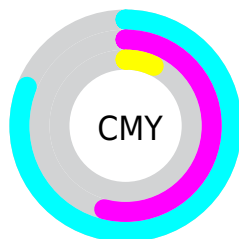


Cyan (79%)

Magenta (50%)

Yellow (0%)

Black (7%)



Cyan (81%)


















Magenta (54%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 118, 238 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 49, 118, 238 by changing the saturation by 10% instead.

 49, 118, 238	 49, 118, 238
 255, 255, 255	 0, 94, 209
 124, 169, 255	 0, 71, 181
 155, 197, 255	 0, 50, 154
 187, 224, 255	 0, 31, 127
 218, 253, 255	 0, 6, 101
 249, 255, 255	 0, 9, 76
	 0, 5, 52
	 0, 2, 30
	 0, 0, 1

■ 49, 118, 238

■ 49, 118, 238

■ 25, 103, 238

■ 73, 133, 238

■ 1, 88, 238

■ 97, 148, 238

■ 0, 87, 238

■ 120, 163, 238

■ 144, 178, 238

■ 168, 194, 238

■ 192, 209, 238

■ 216, 224, 238

■ 239, 239, 238

■ 255, 254, 238

Harmonies

Analogous

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



0, 137, 240



49, 118, 238



168, 89, 204

Triad

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



49, 118, 238



208, 83, 34



0, 148, 95

Complementary

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



49, 118, 238



238, 169, 49

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.



30, 142, 31



49, 118, 238



169, 111, 0

Square

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



49, 118, 238



227, 55, 91



116, 131, 0



0, 149, 157

Rectangle

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



49, 118, 238



204, 67, 170



116, 131, 0



0, 146, 74

Sweetspot

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



49, 118, 238



194, 216, 255



49, 238, 169



91, 104, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 118, 238



13, 101, 255



74, 49, 238



108, 112, 120



0, 67, 184



0, 20, 56

Inverse Universe

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



238, 49, 118



255, 13, 101



213, 238, 49



120, 108, 112



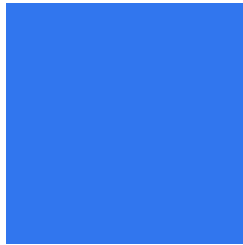
184, 0, 67



56, 0, 20

Previews

White Background



This preview shows how the RGB color 49, 118, 238 looks on a white background.

Color Contrast Check

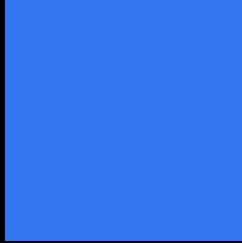
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 118, 238 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

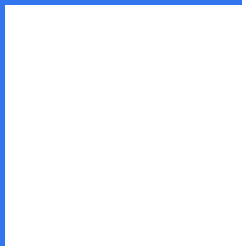
Any Text WCAG AAA × Fail

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

RGB 49, 118, 238 Background



This preview shows how black text looks on a background with the RGB color 49, 118, 238.

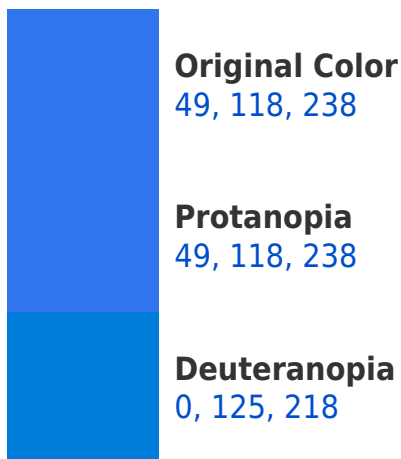


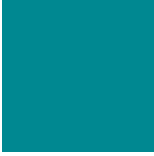
This preview shows how white text looks on a background with the RGB color 49, 118, 238.

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





Tritanopia
0, 136, 145

Trichromacy



Original Color
49, 118, 238

Protanomaly
49, 118, 238

Deuteranomaly
18, 122, 225

Tritanomaly
18, 129, 179

Monochromacy



Original Color
49, 118, 238

Achromatopsia
111, 111, 111

Achromatomaly
88, 114, 157

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 118, 238 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(49, 118, 238)` looks like.

```
.text, #text, p{  
    color:rgb(49, 118, 238)  
}
```

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(49, 118, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 118, 238) }
```

Border

The CSS property to change the border of an element to RGB 49, 118, 238 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(49, 118, 238) }
```

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

```
.border{ border-color:rgb(49, 118, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 118, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 118, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 118, 238);  
box-shadow:4px 4px 4px 4px rgb(49, 118,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 49, 118, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 118, 238) }
```

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

```
.background{ background-color: rgb(49, 118,  
238) }
```

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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