

Converting Colors

RGB(49, 49, 246)

Have a look what the booklet for
RGB(49, 49, 246) contains.

RGB(49, 49, 246)	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(49, 49, 246)

Conversions

Conversions Part 1

Format	Color
Hex	3131F6
RGB	49, 49, 246
RGB Percent	19%, 19%, 96%
CMY	0.8078, 0.8078, 0.0353
CMYK	0.80, 0.80, 0.00, 0.04
HSL	240°, 92%, 58%
HSV	240°, 80%, 96%
XYZ	18.9995, 9.5034, 88.0217
YIQ	71.4580, -63.2370, 61.2670

Conversions

Conversions Part 2

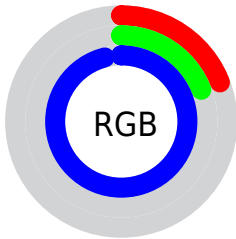
Format	Color
R _Y B	49, 49, 246
Decimal	3224054
CIE Lab	36.94, 64.18, -95.04
CIE LCh	37, 114.682, 304.030
Yxy	9.5034, 0.1631, 0.0816
Android (android.graphics.Color)	4281414134 (0xFF3131F6)
YUV	71.4580, 86.0492, -19.6957
Hunter-Lab	30.8276, 56.0637, -147.7108

Details

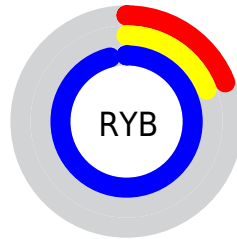
The RGB color **49, 49, 246** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **246, 246, 49**, and the grayscale version is **71, 71, 71**.

A 20% lighter version of the original color is **130, 100, 255**, and **0, 0, 188** is the 20% darker color. If you saturate the color by 10%, you get **24, 24, 246**, and if you desaturate by 10%, it is **74, 74, 246**.

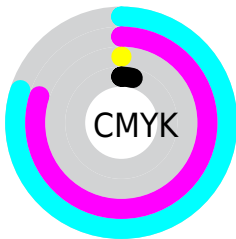
Distribution



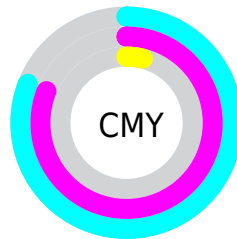
- Red (19%)
- Green (19%)
- Blue (96%)



- Red (19%)
- Yellow (19%)
- Blue (96%)



- Cyan (80%)
- Magenta (80%)
- Yellow (0%)
- Black (4%)





















- Cyan (81%)
- Magenta (81%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 49, 246 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, 49, 246 by changing the saturation by 10% instead.

 49, 49, 246	 49, 49, 246
 255, 255, 255	 0, 23, 217
 130, 100, 255	 0, 0, 188
 164, 126, 255	 0, 0, 160
 196, 153, 255	 0, 0, 133
 229, 181, 255	 0, 12, 106
 255, 209, 255	 0, 11, 81
 255, 238, 255	 0, 5, 57
	 0, 2, 34
	 0, 0, 9

■ 49, 49, 246

■ 49, 49, 246

■ 24, 24, 246

■ 74, 74, 246

■ 0, 0, 246

■ 98, 98, 246

■ 123, 123, 246

■ 147, 147, 246

■ 172, 172, 246

■ 197, 197, 246

■ 221, 221, 246

■ 246, 246, 246

■ 255, 255, 246

Harmonies

Analogous

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



0, 101, 255



49, 49, 246



197, 0, 170

Triad

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



49, 49, 246



167, 38, 0



0, 115, 98

Complementary

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



49, 49, 246



246, 246, 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.



0, 113, 0



49, 49, 246



96, 89, 0

Square

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



49, 49, 246



216, 0, 0



0, 107, 0



0, 118, 191

Rectangle

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



49, 49, 246



227, 0, 110



0, 107, 0



0, 115, 65

Sweetspot

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



49, 49, 246



194, 194, 255



49, 246, 246



91, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 49, 246



10, 10, 255



148, 49, 246



110, 110, 122



0, 0, 186



0, 0, 59

Inverse Universe

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



246, 49, 246



255, 10, 255



148, 246, 49



122, 110, 122



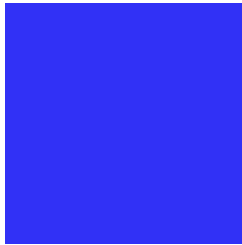
186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RGB color 49, 49, 246 looks on a white background.

Color Contrast Check

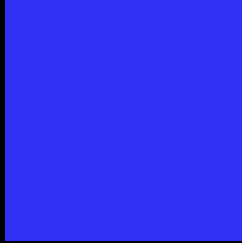
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 49, 49, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

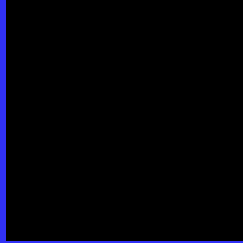
Any Text WCAG AA × Fail

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 49, 49, 246 Background



This preview shows how black text looks on a background with the RGB color 49, 49, 246.

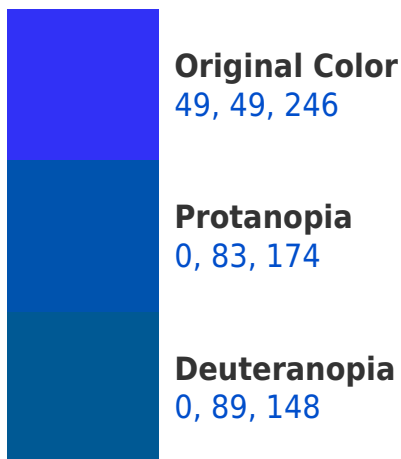


This preview shows how white text looks on a background with the RGB color 49, 49, 246.

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, 95, 100

Trichromacy



Original Color

49, 49, 246

Protanomaly

18, 71, 200

Deuteranomaly

18, 74, 184

Tritanomaly

18, 78, 153

Monochromacy



Original Color

49, 49, 246

Achromatopsia

71, 71, 71

Achromatomaly

63, 63, 135

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 49, 246 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, 49, 246)` looks like.

```
.text, #text, p{  
    color:rgb(49, 49, 246)  
}
```

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, 49, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 49, 246) }
```

Border

The CSS property to change the border of an element to RGB 49, 49, 246 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, 49, 246) }
```

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

```
.border{ border-color:rgb(49, 49, 246) }
```

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

Here you see how a box with a 4 pixel rgb(49, 49, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 49, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 49, 246);  
box-shadow:4px 4px 4px 4px rgb(49, 49,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 49, 49, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 49, 246) }
```

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

```
.background{ background-color: rgb(49, 49,  
246) }
```

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