

# Converting Colors

RGB(81, 100, 249)

Have a look what the booklet for  
RGB(81, 100, 249) contains.

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# Color

**RGB(81, 100, 249)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5164F9
RGB	81, 100, 249
RGB Percent	32%, 39%, 98%
CMY	0.6824, 0.6078, 0.0235
CMYK	0.67, 0.60, 0.00, 0.02
HSL	233°, 93%, 65%
HSV	233°, 67%, 98%
XYZ	25.0494, 17.7032, 91.7193
YIQ	111.3050, -59.1530, 42.3110

# Conversions

## Conversions Part 2

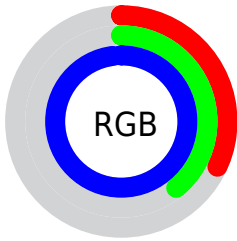
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 98, 249
Decimal	5334265
CIE <sub>Lab</sub>	49.13, 39.82, -76.58
CIE <sub>LCh</sub>	49, 86.318, 297.472
Yxy	17.7032, 0.1863, 0.1316
Android (android.graphics.Color)	4283524345 (0xFF5164F9)
YUV	111.3050, 67.8836, -26.5775
Hunter-Lab	42.0752, 32.6380, -99.7931

# Details

The RGB color **81, 100, 249** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **249, 230, 81**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **148, 151, 255**, and **0, 54, 191** is the 20% darker color. If you saturate the color by 10%, you get **56, 78, 249**, and if you desaturate by 10%, it is **106, 122, 249**.

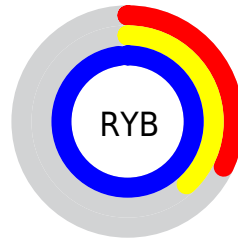
# Distribution



Red (32%)

Green (39%)

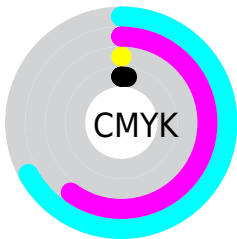
Blue (98%)



Red (32%)

Yellow (38%)

Blue (98%)

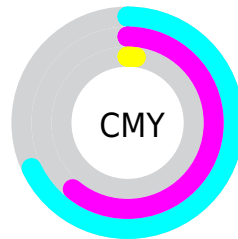


Cyan (67%)

Magenta (60%)

Yellow (0%)

Black (2%)



Cyan (68%)

Magenta (61%)

















Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 81, 100, 249 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 81, 100, 249 by changing the saturation by 10% instead.



 81, 100, 249	 81, 100, 249
 255, 255, 255	 37, 76, 220
 148, 151, 255	 0, 54, 191
 179, 178, 255	 0, 33, 163
 210, 205, 255	 0, 15, 136
 241, 233, 255	 0, 0, 110
	 0, 12, 84
	 0, 6, 60
	 0, 2, 38
	 0, 1, 14

■ 81, 100, 249

■ 81, 100, 249

■ 56, 78, 249

■ 106, 122, 249

■ 31, 56, 249

■ 131, 144, 249

■ 6, 34, 249

■ 156, 166, 249

■ 0, 28, 249

■ 181, 188, 249

■ 206, 210, 249

■ 230, 233, 249

■ 255, 255, 249

■ 255, 255, 249

# Harmonies

## Analogous

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



0, 129, 255



81, 100, 249



195, 48, 197

# Triad

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



81, 100, 249



201, 77, 0



0, 145, 108

# Complementary

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



81, 100, 249



249, 230, 81

# 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, 141, 23



81, 100, 249



148, 112, 0

# Square

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



81, 100, 249



234, 0, 55



75, 132, 0



0, 146, 183

# Rectangle

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



81, 100, 249



228, 0, 151



75, 132, 0



0, 144, 82



# Sweetspot

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



81, 100, 249



204, 210, 255



81, 249, 229



97, 100, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



81, 100, 249



48, 72, 255



145, 81, 249



112, 114, 125



0, 21, 189



0, 7, 61



# Inverse Universe

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



249, 81, 100



255, 48, 72



185, 249, 81



125, 112, 114



189, 0, 21

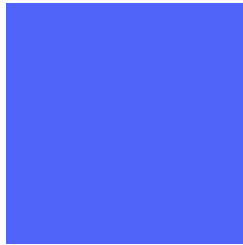


61, 0, 7



# Previews

## White Background



This preview shows how the RGB color 81, 100, 249 looks on a white background.

## Color Contrast Check

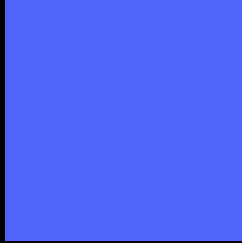
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 81, 100, 249 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 81, 100, 249 Background



This preview shows how black text looks on a background with the RGB color 81, 100, 249.

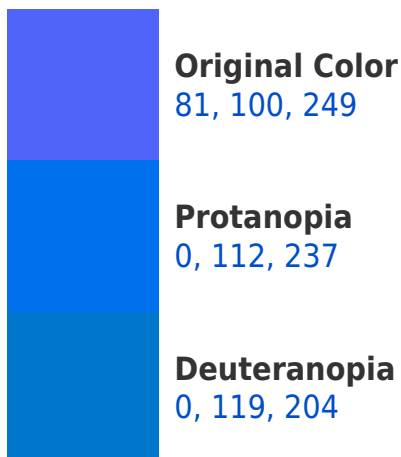


This preview shows how white text looks on a background with the RGB color 81, 100, 249.

# 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, 129, 138

# Trichromacy



**Original Color**

81, 100, 249



**Protanomaly**

29, 108, 241



**Deuteranomaly**

29, 112, 220



**Tritanomaly**

29, 118, 178

# Monochromacy



**Original Color**

81, 100, 249



**Achromatopsia**

111, 111, 111



**Achromatomaly**

100, 107, 161

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 81, 100, 249 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(81, 100, 249)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 249)  
}
```

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(81, 100, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 249) }
```

## Border

The CSS property to change the border of an element to RGB 81, 100, 249 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(81, 100, 249) }
```

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

```
.border{ border-color:rgb(81, 100, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 100, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 249);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
249) }
```

# Background

The CSS property to change the background color of an element to RGB 81, 100, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 249) }
```

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

```
.background{ background-color: rgb(81, 100,  
249) }
```

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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