

Converting Colors

RGB(100, 109, 217)

Have a look what the booklet for
RGB(100, 109, 217) contains.

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Color

RGB(100, 109, 217)

Conversions

Conversions Part 1

Format	Color
Hex	646DD9
RGB	100, 109, 217
RGB Percent	39%, 43%, 85%
CMY	0.6078, 0.5725, 0.1490
CMYK	0.54, 0.50, 0.00, 0.15
HSL	235°, 61%, 62%
HSV	235°, 54%, 85%
XYZ	23.2486, 18.6564, 68.0213
YIQ	118.6210, -40.0320, 31.6800

Conversions

Conversions Part 2

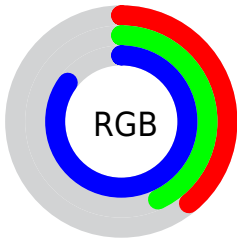
Format	Color
R_{YB}	100, 108, 217
Decimal	6581721
CIE _{Lab}	50.28, 26.99, -56.69
CIE _{LCh}	50, 62.790, 295.462
Yxy	18.6564, 0.2115, 0.1697
Android (android.graphics.Color)	4284771801 (0xFF646DD9)
YUV	118.6210, 48.5008, -16.3306
Hunter-Lab	43.1930, 20.4895, -63.1362

Details

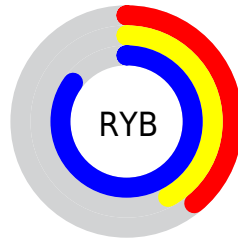
The RGB color **100, 109, 217** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **217, 208, 100**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **158, 160, 255**, and **34, 62, 161** is the 20% darker color. If you saturate the color by 10%, you get **78, 89, 217**, and if you desaturate by 10%, it is **122, 129, 217**.

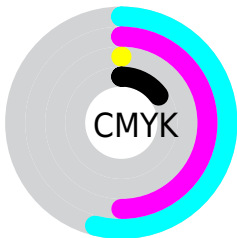
Distribution



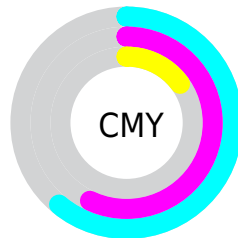
- Red (39%)
- Green (43%)
- Blue (85%)



- Red (39%)
- Yellow (42%)
- Blue (85%)



- Cyan (54%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)




- Cyan (61%)
- Magenta (57%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 109, 217 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 100, 109, 217 by changing the saturation by 10% instead.

 100, 109, 217


255, 255, 255

 158, 160, 255

 187, 187, 255

 217, 215, 255

 247, 243, 255

 100, 109, 217

 70, 85, 189

 34, 62, 161

 0, 40, 134

 0, 21, 109

 0, 0, 84

 0, 6, 59

 0, 2, 37

 0, 1, 13

 0, 0, 0

■ 100, 109, 217

■ 100, 109, 217

■ 78, 89, 217

■ 122, 129, 217

■ 57, 69, 217

■ 143, 149, 217

■ 35, 49, 217

■ 165, 169, 217

■ 13, 29, 217

■ 187, 189, 217

■ 0, 17, 217

■ 209, 209, 217

■ 230, 229, 217

■ 252, 249, 217

■ 255, 255, 217

Harmonies

Analogous

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



0, 129, 227



100, 109, 217



175, 83, 181

Triad

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



100, 109, 217



190, 92, 27



0, 143, 110

Complementary

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



100, 109, 217



217, 208, 100

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, 139, 54



100, 109, 217



151, 114, 0

Square

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



100, 109, 217



212, 68, 77



100, 130, 0



0, 144, 164

Rectangle

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



100, 109, 217



202, 67, 148



100, 130, 0



0, 142, 91

Sweetspot

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



100, 109, 217



214, 217, 255



100, 217, 207



103, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 109, 217



89, 102, 255



149, 100, 217



99, 100, 110



0, 13, 173



0, 4, 46

Inverse Universe

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



217, 100, 109



255, 89, 102



168, 217, 100



110, 99, 100



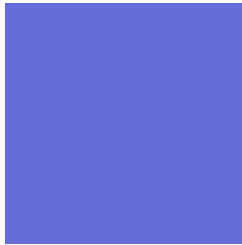
173, 0, 13



46, 0, 4

Previews

White Background



This preview shows how the RGB color 100, 109, 217 looks on a white background.

Color Contrast Check

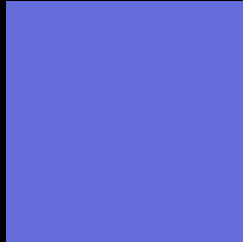
Large Text (above 18pt) WCAG AA ✓ Pass

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 100, 109, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

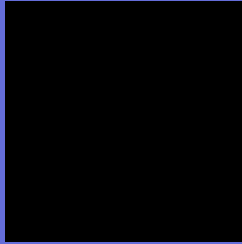
Any Text WCAG AA ✓ Pass

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 100, 109, 217 Background



This preview shows how black text looks on a background with the RGB color 100, 109, 217.



This preview shows how white text looks on a background with the RGB color 100, 109, 217.

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
100, 109, 217

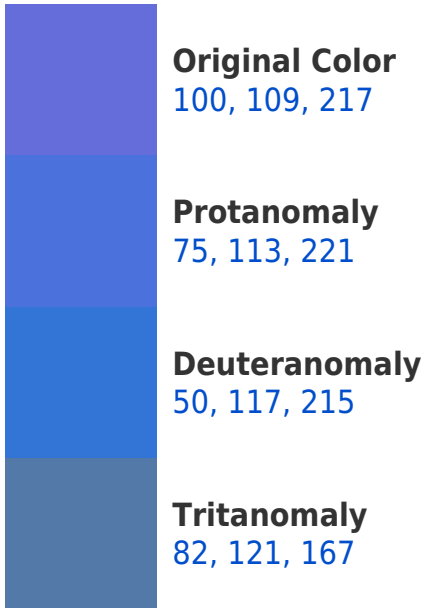
Protanopia
61, 116, 224

Deuteranopia
21, 121, 214

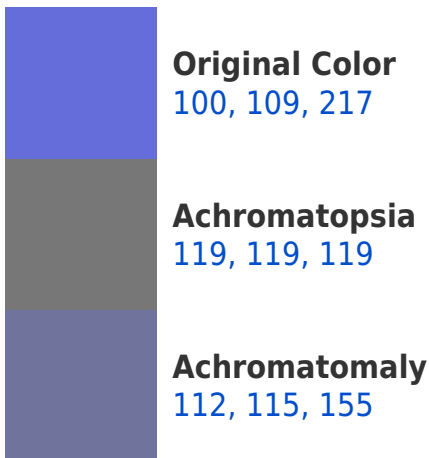


Tritanopia
72, 128, 138

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 109, 217 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(100, 109, 217)` looks like.

```
.text, #text, p{  
    color:rgb(100, 109, 217)  
}
```

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(100, 109, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 109, 217) }
```

Border

The CSS property to change the border of an element to RGB 100, 109, 217 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(100, 109, 217) }
```

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

```
.border{ border-color:rgb(100, 109, 217) }
```

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

Here you see how a box with a 4 pixel rgb(100, 109, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 109, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 109, 217);  
box-shadow:4px 4px 4px 4px rgb(100, 109,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 100, 109, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 109, 217) }
```

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

```
.background{ background-color: rgb(100,  
109, 217) }
```

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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