

Converting Colors

RGB(64, 71, 210)

Have a look what the booklet for
RGB(64, 71, 210) contains.

RGB(64, 71, 210)	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(64, 71, 210)

Conversions

Conversions Part 1

Format	Color
Hex	4047D2
RGB	64, 71, 210
RGB Percent	25%, 28%, 82%
CMY	0.7490, 0.7216, 0.1765
CMYK	0.70, 0.66, 0.00, 0.18
HSL	237°, 62%, 54%
HSV	237°, 70%, 82%
XYZ	16.0004, 10.2496, 62.1078
YIQ	84.7530, -48.7910, 41.7450

Conversions

Conversions Part 2

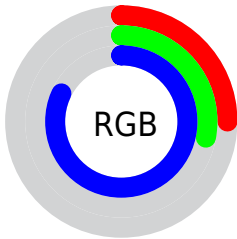
Format	Color
RYB	64, 71, 210
Decimal	4212690
CIELab	38.29, 42.09, -72.27
CIELCh	38, 83.630, 300.214
Yxy	10.2496, 0.1811, 0.1160
Android (android.graphics.Color)	4282402770 (0xFF4047D2)
YUV	84.7530, 61.7468, -18.2004
Hunter-Lab	32.0150, 33.1844, -92.6097

Details

The RGB color **64, 71, 210** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **210, 203, 64**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **130, 120, 255**, and **0, 27, 154** is the 20% darker color. If you saturate the color by 10%, you get **43, 51, 210**, and if you desaturate by 10%, it is **85, 91, 210**.

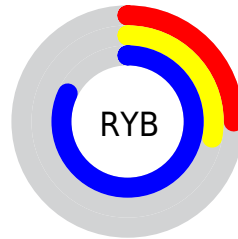
Distribution



Red (25%)

Green (28%)

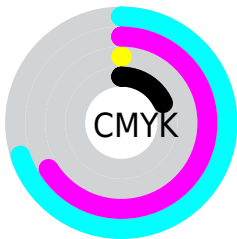
Blue (82%)



Red (25%)

Yellow (28%)

Blue (82%)

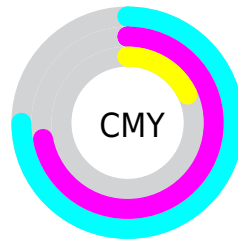


Cyan (70%)

Magenta (66%)

Yellow (0%)

Black (18%)



Cyan (75%)


















Magenta (72%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 64, 71, 210 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 64, 71, 210 by changing the saturation by 10% instead.

 64, 71, 210	 64, 71, 210
 255, 255, 255	 11, 48, 182
 130, 120, 255	 0, 27, 154
 160, 146, 255	 0, 8, 127
 191, 173, 255	 0, 0, 101
 221, 200, 255	 0, 9, 76
 252, 228, 255	 0, 5, 53
	 0, 2, 30
	 0, 0, 1
	 0, 0, 0

■ 64, 71, 210

■ 64, 71, 210

■ 43, 51, 210

■ 85, 91, 210

■ 22, 31, 210

■ 106, 111, 210

■ 1, 11, 210

■ 127, 131, 210

■ 0, 10, 210

■ 148, 151, 210

■ 169, 171, 210

■ 190, 191, 210

■ 211, 211, 210

■ 232, 231, 210

■ 253, 251, 210

Harmonies

Analogous

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



0, 101, 229



64, 71, 210



167, 0, 159

Triad

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



64, 71, 210



161, 55, 0



0, 115, 89

Complementary

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



64, 71, 210



210, 203, 64

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, 112, 4



64, 71, 210



110, 88, 0

Square

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



64, 71, 210



194, 0, 27



35, 105, 0



0, 116, 158

Rectangle

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



64, 71, 210



194, 0, 115



35, 105, 0



0, 114, 65

Sweetspot

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



64, 71, 210



201, 204, 255



64, 210, 203



96, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



64, 71, 210



43, 53, 255



130, 64, 210



94, 95, 105



0, 8, 168



0, 2, 41

Inverse Universe

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



210, 64, 71



255, 43, 53



144, 210, 64



105, 94, 95



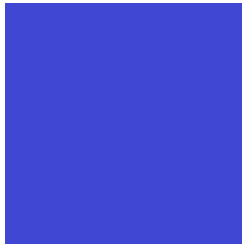
168, 0, 8



41, 0, 2

Previews

White Background



This preview shows how the RGB color 64, 71, 210 looks on a white background.

Color Contrast Check

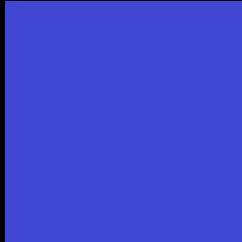
Large Text (above 18pt) WCAG AA ✓ Pass

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 64, 71, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

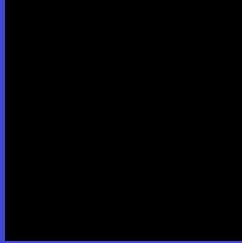
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 64, 71, 210 Background



This preview shows how black text looks on a background with the RGB color 64, 71, 210.

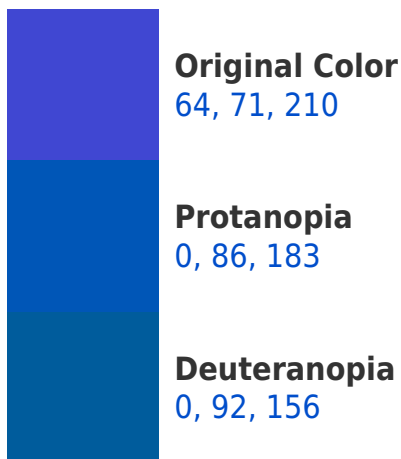


This preview shows how white text looks on a background with the RGB color 64, 71, 210.

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, 99, 106

Trichromacy



Original Color

64, 71, 210

Protanomaly

23, 81, 193

Deuteranomaly

23, 84, 176

Tritanomaly

23, 89, 144

Monochromacy



Original Color

64, 71, 210

Achromatopsia

85, 85, 85

Achromatomaly

77, 80, 130

CSS Examples

Text

The CSS property to change the color of the text to RGB 64, 71, 210 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(64, 71, 210)` looks like.

```
.text, #text, p{  
    color:rgb(64, 71, 210)  
}
```

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(64, 71, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 71, 210) }
```

Border

The CSS property to change the border of an element to RGB 64, 71, 210 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(64, 71, 210) }
```

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

```
.border{ border-color:rgb(64, 71, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 71, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 71, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 71, 210);  
box-shadow:4px 4px 4px 4px rgb(64, 71,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 64, 71, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 71, 210) }
```

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

```
.background{ background-color: rgb(64, 71,  
210) }
```

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