

# Converting Colors

RGB(76, 112, 223)

Have a look what the booklet for  
RGB(76, 112, 223) contains.

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# Color

**RGB(76, 112, 223)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4C70DF
RGB	76, 112, 223
RGB Percent	30%, 44%, 87%
CMY	0.7020, 0.5608, 0.1255
CMYK	0.66, 0.50, 0.00, 0.13
HSL	225°, 70%, 59%
HSV	225°, 66%, 87%
XYZ	22.0939, 18.4526, 72.2093
YIQ	113.8900, -57.0870, 26.8890

# Conversions

## Conversions Part 2

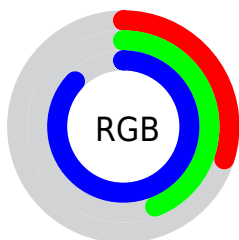
Format	Color
<a href="#">RYB</a>	<a href="#">76, 105, 223</a>
Decimal	<a href="#">5009631</a>
CIELab	<a href="#">50.04, 22.77, -60.55</a>
CIELCh	<a href="#">50, 64.690, 290.613</a>
Yxy	<a href="#">18.4526, 0.1959, 0.1637</a>
Android (android.graphics.Color)	<a href="#">4283199711</a> (0xFF4C70DF)
YUV	<a href="#">113.8900, 53.7912, -33.2295</a>
Hunter-Lab	<a href="#">42.9564, 16.6348, -69.5963</a>

# Details

The RGB color **76, 112, 223** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **223, 187, 76**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **139, 163, 255**, and **0, 65, 167** is the 20% darker color. If you saturate the color by 10%, you get **54, 95, 223**, and if you desaturate by 10%, it is **98, 129, 223**.

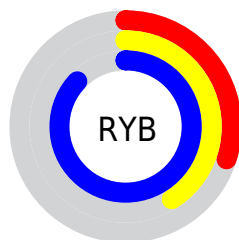
# Distribution



Red (30%)

Green (44%)

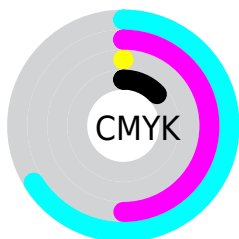
Blue (87%)



Red (30%)

Yellow (41%)

Blue (87%)

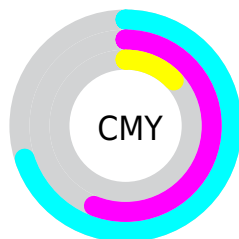


Cyan (66%)

Magenta (50%)

Yellow (0%)

Black (13%)



Cyan (70%)

Magenta (56%)

















Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the RGB color 76, 112, 223 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 76, 112, 223 by changing the saturation by 10% instead.




 76, 112, 223	 76, 112, 223
 255, 255, 255	 37, 88, 195
 139, 163, 255	 0, 65, 167
 169, 190, 255	 0, 44, 140
 199, 218, 255	 0, 25, 114
 229, 246, 255	 0, 0, 89
	 0, 7, 64
	 0, 3, 41
	 0, 1, 19
	 0, 0, 0


 76, 112, 223

 76, 112, 223

 54, 95, 223

 98, 129, 223


 31, 78, 223


 121, 146, 223

 9, 61, 223

 143, 163, 223

 0, 55, 223

 165, 179, 223

 188, 196, 223

 210, 213, 223

 232, 230, 223

 254, 247, 223

 255, 255, 223

# Harmonies

## Analogous

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



0, 131, 228



76, 112, 223



167, 85, 190

# Triad

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



76, 112, 223



196, 86, 32



0, 143, 99

# Complementary

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



76, 112, 223



223, 187, 76

# 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.



23, 138, 42



76, 112, 223



158, 110, 0

# Square

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



76, 112, 223



215, 61, 84



108, 128, 0



0, 144, 156

# Rectangle

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



76, 112, 223



198, 67, 157



108, 128, 0



0, 141, 80



# Sweetspot

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



76, 112, 223



204, 216, 255



76, 223, 186



97, 104, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



76, 112, 223



54, 103, 255



113, 76, 223



101, 104, 112



0, 43, 176



0, 12, 48



# Inverse Universe

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



223, 76, 112



255, 54, 103



186, 223, 76



112, 101, 104



176, 0, 43

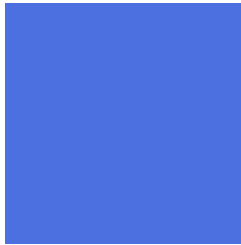


48, 0, 12



# Previews

## White Background



This preview shows how the RGB color 76, 112, 223 looks on a white background.

## Color Contrast Check

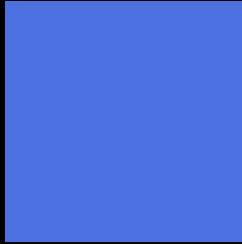
Large Text (above 18pt) WCAG AA ✓ Pass

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 76, 112, 223 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 76, 112, 223 Background



This preview shows how black text looks on a background with the RGB color 76, 112, 223.



This preview shows how white text looks on a background with the RGB color 76, 112, 223.

# 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**

76, 112, 223

**Protanopia**

56, 115, 226

**Deuteranopia**

0, 121, 212



# Tritanopia

13, 131, 142

# Trichromacy



**Original Color**

76, 112, 223

**Protanomaly**

63, 114, 225

**Deuteranomaly**

28, 118, 216

**Tritanomaly**

36, 124, 171

# Monochromacy



**Original Color**

76, 112, 223

**Achromatopsia**

114, 114, 114

**Achromatomaly**

100, 113, 154

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 76, 112, 223 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(76, 112, 223) looks like.

```
.text, #text, p{  
    color:rgb(76, 112, 223)  
}
```

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(76, 112, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 112, 223) }
```

## Border

The CSS property to change the border of an element to RGB 76, 112, 223 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(76, 112, 223) }
```

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

```
.border{ border-color:rgb(76, 112, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 112, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 112, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 112, 223);  
box-shadow:4px 4px 4px 4px rgb(76, 112,  
223) }
```

# Background

The CSS property to change the background color of an element to RGB 76, 112, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(76, 112, 223) }
```

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

```
.background{ background-color:rgb(76, 112,  
223) }
```

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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