

# Converting Colors

RGB(75, 123, 201)

Have a look what the booklet for  
RGB(75, 123, 201) contains.

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# Color

**RGB(75, 123, 201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B7BC9
RGB	75, 123, 201
RGB Percent	29%, 48%, 79%
CMY	0.7059, 0.5176, 0.2118
CMYK	0.63, 0.39, 0.00, 0.21
HSL	217°, 54%, 54%
HSV	217°, 63%, 79%
XYZ	20.5272, 19.8788, 58.0134
YIQ	117.5400, -53.6460, 14.0820

# Conversions

## Conversions Part 2

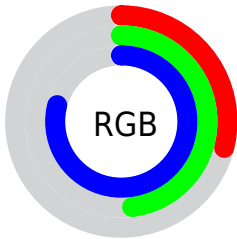
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 110, 201
Decimal	4946889
CIE <sub>Lab</sub>	51.70, 8.18, -45.41
CIE <sub>LCh</sub>	52, 46.145, 280.205
Yxy	19.8788, 0.2086, 0.2020
Android (android.graphics.Color)	4283136969 (0xFF4B7BC9)
YUV	117.5400, 41.1458, -37.3076
Hunter-Lab	44.5857, 4.1564, -45.9363

# Details

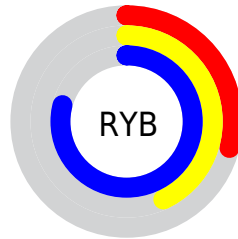
The RGB color **75, 123, 201** is a dark color, and the websafe version is hex **6699FF**. The color can be described as dark muted azure. A complement of this color would be **201, 153, 75**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **134, 175, 255**, and **0, 75, 146** is the 20% darker color. If you saturate the color by 10%, you get **55, 111, 201**, and if you desaturate by 10%, it is **95, 135, 201**.

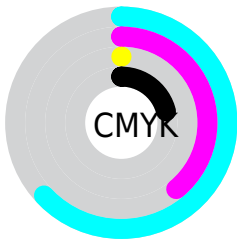
# Distribution



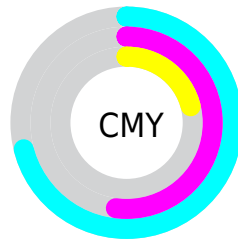
- Red (29%)
- Green (48%)
- Blue (79%)



- Red (29%)
- Yellow (43%)
- Blue (79%)



- Cyan (63%)
- Magenta (39%)
- Yellow (0%)
- Black (21%)



















- Cyan (71%)
- Magenta (52%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 75, 123, 201 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 75, 123, 201 by changing the saturation by 10% instead.



 75, 123, 201	 75, 123, 201
 255, 255, 255	 41, 98, 173
 134, 175, 255	 0, 75, 146
 163, 202, 255	 0, 53, 120
 192, 230, 255	 0, 32, 95
 222, 255, 255	 0, 8, 71
 252, 255, 255	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

 75, 123, 201	 75, 123, 201
--	--

■ 55, 111, 201

■ 95, 135, 201

■ 35, 98, 201

■ 115, 148, 201

■ 15, 86, 201

■ 135, 160, 201

■ 0, 77, 201

■ 155, 173, 201

■ 176, 185, 201

■ 196, 198, 201

■ 216, 210, 201

■ 236, 223, 201

■ 255, 235, 201

# Harmonies

## Analogous

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



0, 135, 197



75, 123, 201



143, 107, 184

# Triad

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



75, 123, 201



189, 97, 74



6, 141, 95

# Complementary

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



75, 123, 201



201, 153, 75

# 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.



89, 135, 60



75, 123, 201



166, 112, 47

# Square

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



75, 123, 201



196, 88, 111



132, 125, 40



0, 143, 136

# Rectangle

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



75, 123, 201



172, 97, 163



132, 125, 40



50, 139, 82



# Sweetspot

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



75, 123, 201



207, 225, 255



75, 201, 153



98, 109, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



75, 123, 201



64, 137, 255



90, 75, 201



90, 93, 99



0, 62, 163



0, 14, 36



# Inverse Universe

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



201, 75, 123



255, 64, 137



186, 201, 75



99, 90, 93



163, 0, 62

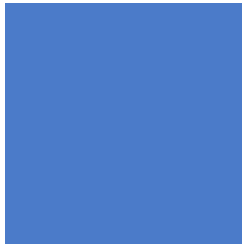


36, 0, 14



# Previews

## White Background



This preview shows how the RGB color 75, 123, 201 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 75, 123, 201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

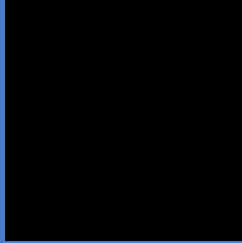
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

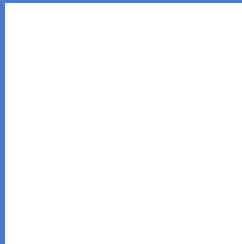
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 75, 123, 201 Background



This preview shows how black text looks on a background with the RGB color 75, 123, 201.

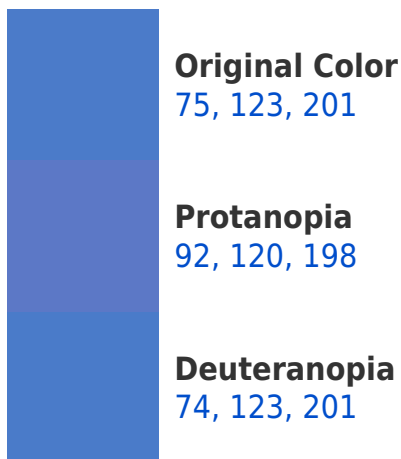


This preview shows how white text looks on a background with the RGB color 75, 123, 201.

# 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**  
47, 135, 146

# Trichromacy



**Original Color**

75, 123, 201

**Protanomaly**

86, 121, 199

**Deuteranomaly**

74, 123, 201

**Tritanomaly**

57, 131, 166

# Monochromacy



**Original Color**

75, 123, 201

**Achromatopsia**

118, 118, 118

**Achromatomaly**

102, 120, 148

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 75, 123, 201 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(75, 123, 201)` looks like.

```
.text, #text, p{  
    color:rgb(75, 123, 201)  
}
```

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(75, 123, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 123, 201) }
```

## Border

The CSS property to change the border of an element to RGB 75, 123, 201 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(75, 123, 201) }
```

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

```
.border{ border-color:rgb(75, 123, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 123, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 123, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 123, 201);  
box-shadow:4px 4px 4px 4px rgb(75, 123,  
201) }
```

# Background

The CSS property to change the background color of an element to RGB 75, 123, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 123, 201) }
```

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

```
.background{ background-color: rgb(75, 123,  
201) }
```

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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