

# Converting Colors

RGB(57, 123, 223)

Have a look what the booklet for  
RGB(57, 123, 223) contains.

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# Color

**RGB(57, 123, 223)**

# Conversions

Conversions Part 1	
Format	Color
Hex	397BDF
RGB	57, 123, 223
RGB Percent	22%, 48%, 87%
CMY	0.7765, 0.5176, 0.1255
CMYK	0.74, 0.45, 0.00, 0.13
HSL	216°, 72%, 55%
HSV	216°, 74%, 87%
XYZ	22.0896, 20.3635, 72.5783
YIQ	114.6660, -71.4360, 17.1080

# Conversions

## Conversions Part 2

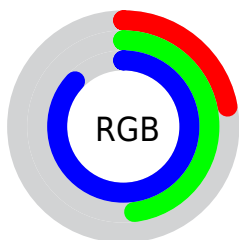
Format	Color
<a href="#">RYB</a>	<a href="#">57, 104, 223</a>
Decimal	<a href="#">3767263</a>
CIELab	<a href="#">52.25, 13.25, -57.04</a>
CIELCh	<a href="#">52, 58.561, 283.076</a>
Yxy	<a href="#">20.3635, 0.1920, 0.1770</a>
Android (android.graphics.Color)	<a href="#">4281957343</a> (0xFF397BDF)
YUV	<a href="#">114.6660, 53.4087, -50.5731</a>
Hunter-Lab	<a href="#">45.1259, 8.4072, -63.7710</a>

# Details

The RGB color **57, 123, 223** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **223, 157, 57**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **125, 175, 255**, and **0, 75, 167** is the 20% darker color. If you saturate the color by 10%, you get **35, 110, 223**, and if you desaturate by 10%, it is **79, 136, 223**.

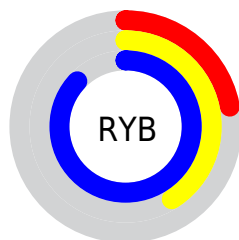
# Distribution



Red (22%)

Green (48%)

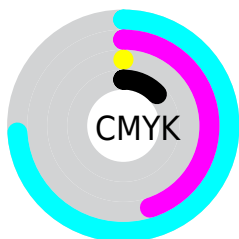
Blue (87%)



Red (22%)

Yellow (41%)

Blue (87%)

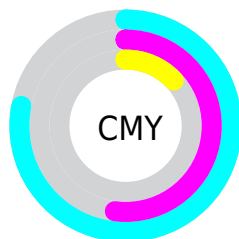


Cyan (74%)

Magenta (45%)

Yellow (0%)

Black (13%)



Cyan (78%)

Magenta (52%)


















Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the RGB color 57, 123, 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 57, 123, 223 by changing the saturation by 10% instead.




 57, 123, 223	 57, 123, 223
 255, 255, 255	 0, 99, 195
 125, 175, 255	 0, 75, 167
 156, 202, 255	 0, 53, 140
 186, 230, 255	 0, 34, 114
 216, 255, 255	 0, 10, 89
 247, 255, 255	 0, 7, 64
	 0, 3, 42
	 0, 1, 20
	 0, 0, 0

 57, 123, 223

 57, 123, 223

 35, 110, 223

 79, 136, 223

 12, 96, 223


 102, 150, 223

 0, 89, 223

 124, 163, 223

 146, 177, 223

 169, 190, 223

 191, 204, 223

 213, 217, 223

 235, 230, 223

 255, 244, 223

# Harmonies

## Analogous

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



0, 138, 221



57, 123, 223



155, 101, 199

# Triad

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



57, 123, 223



203, 90, 58



0, 146, 94

# Complementary

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



57, 123, 223



223, 157, 57

# 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.



71, 140, 45



57, 123, 223



172, 112, 15

# Square

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



57, 123, 223



215, 74, 105



129, 129, 0



0, 148, 146

# Rectangle

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



57, 123, 223



189, 86, 171



129, 129, 0



0, 145, 77



# Sweetspot

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



57, 123, 223



199, 221, 255



57, 223, 157



94, 108, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



57, 123, 223



28, 118, 255



74, 57, 223



101, 105, 112



0, 70, 176



0, 19, 48



# Inverse Universe

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



223, 57, 123



255, 28, 118



206, 223, 57



112, 101, 105



176, 0, 70



48, 0, 19



# Previews

## White Background



This preview shows how the RGB color 57, 123, 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 57, 123, 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

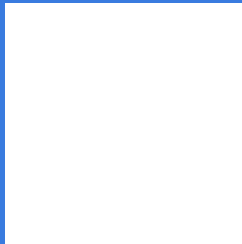
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 57, 123, 223 Background



This preview shows how black text looks on a background with the RGB color 57, 123, 223.



This preview shows how white text looks on a background with the RGB color 57, 123, 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

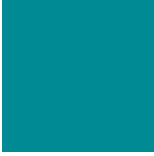
57, 123, 223

### Protanopia

77, 121, 221

### Deuteranopia

22, 126, 222



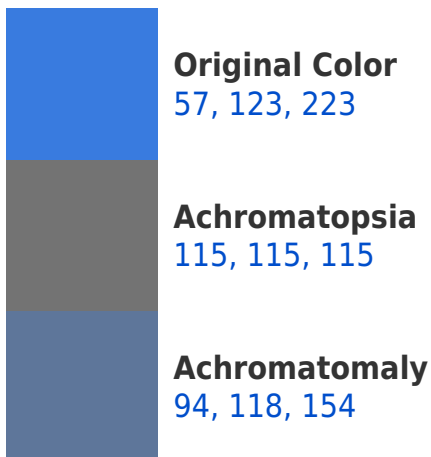
# Tritanopia

0, 138, 148

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 57, 123, 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(57, 123, 223) looks like.

```
.text, #text, p{  
    color:rgb(57, 123, 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(57, 123, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 123, 223) }
```

## Border

The CSS property to change the border of an element to RGB 57, 123, 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(57, 123, 223) }
```

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

```
.border{ border-color:rgb(57, 123, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 123, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 123, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 123, 223);  
box-shadow:4px 4px 4px 4px rgb(57, 123,  
223) }
```

# Background

The CSS property to change the background color of an element to RGB 57, 123, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 123, 223) }
```

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

```
.background{ background-color: rgb(57, 123,  
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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