

# Converting Colors

RGB(57, 137, 211)

Have a look what the booklet for  
RGB(57, 137, 211) contains.

<b>RGB(57, 137, 211)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	11
<i><b>Previews</b></i>	23
<i><b>Color Blindness Simulation</b></i>	26
<i><b>CSS Examples</b></i>	29

# Color

**RGB(57, 137, 211)**

# Conversions

Conversions Part 1	
Format	Color
Hex	3989D3
RGB	57, 137, 211
RGB Percent	22%, 54%, 83%
CMY	0.7765, 0.4627, 0.1725
CMYK	0.73, 0.35, 0.00, 0.17
HSL	209°, 64%, 53%
HSV	209°, 73%, 83%
XYZ	22.3909, 23.4643, 64.9770
YIQ	121.5160, -71.4340, 6.0540

# Conversions

## Conversions Part 2

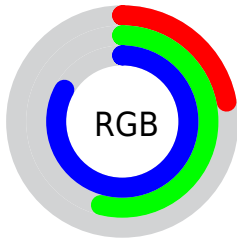
Format	Color
<a href="#">RYB</a>	<a href="#">57, 110, 211</a>
Decimal	<a href="#">3770835</a>
CIELab	<a href="#">55.55, 0.41, -45.02</a>
CIELCh	<a href="#">56, 45.027, 270.520</a>
Yxy	<a href="#">23.4643, 0.2020, 0.2117</a>
Android (android.graphics.Color)	<a href="#">4281960915</a> (0xFF3989D3)
YUV	<a href="#">121.5160, 44.1156, -56.5805</a>
Hunter-Lab	<a href="#">48.4400, -2.2602, -45.6231</a>

# Details

The RGB color **57, 137, 211** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **211, 131, 57**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **123, 190, 255**, and **0, 88, 156** is the 20% darker color. If you saturate the color by 10%, you get **36, 127, 211**, and if you desaturate by 10%, it is **78, 147, 211**.

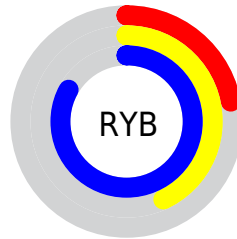
# Distribution



Red (22%)

Green (54%)

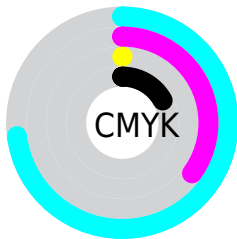
Blue (83%)



Red (22%)

Yellow (43%)

Blue (83%)

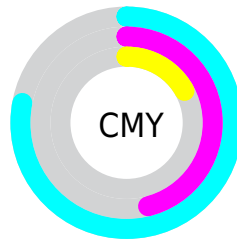


Cyan (73%)

Magenta (35%)

Yellow (0%)

Black (17%)



Cyan (78%)

Magenta (46%)

Yellow (17%)

















# Brightness & Saturation


## Gradients


These gradients show how the RGB color 57, 137, 211 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, 137, 211 by changing the saturation by 10% instead.




 57, 137, 211	 57, 137, 211
255, 255, 255	 0, 112, 183
 123, 190, 255	 0, 88, 156
 153, 218, 255	 0, 65, 130
 183, 246, 255	 0, 43, 104
 213, 255, 255	 0, 24, 79
 243, 255, 255	 0, 5, 56
	 0, 2, 34
	 0, 0, 7
	 0, 0, 0

 57, 137, 211

 57, 137, 211


 36, 127, 211


 78, 147, 211

 15, 117, 211


 99, 157, 211

 0, 110, 211

 120, 167, 211

 141, 178, 211

 163, 188, 211

 184, 198, 211

 205, 208, 211

 226, 218, 211

 247, 228, 211

# Harmonies

## Analogous

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



0, 147, 200



57, 137, 211



136, 123, 200

# Triad

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



57, 137, 211



204, 104, 96



63, 149, 93

# Complementary

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



57, 137, 211



211, 131, 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.



115, 142, 63



57, 137, 211



186, 117, 65

# Square

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



57, 137, 211



204, 99, 134



155, 131, 51



0, 153, 132

# Rectangle

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



57, 137, 211



169, 112, 183



155, 131, 51



83, 148, 81

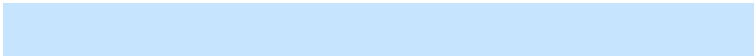


# Sweetspot

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



57, 137, 211



199, 228, 255



57, 211, 129



94, 112, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



57, 137, 211



31, 147, 255



57, 62, 211



94, 100, 105



0, 87, 168



0, 21, 41



# Inverse Universe

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



211, 57, 137



255, 31, 147



211, 206, 57



105, 94, 100



168, 0, 87

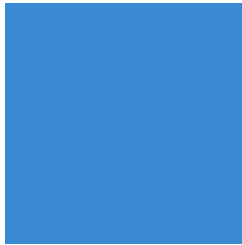


41, 0, 21



# Previews

## White Background



This preview shows how the RGB color 57, 137, 211 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, 137, 211 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, 137, 211 Background



This preview shows how black text looks on a background with the RGB color 57, 137, 211.

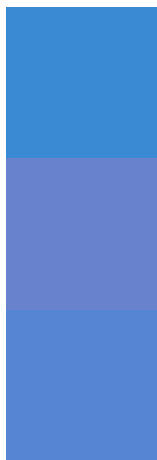


This preview shows how white text looks on a background with the RGB color 57, 137, 211.

# 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

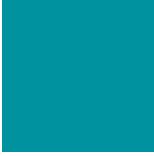
57, 137, 211

### Protanopia

105, 130, 205

### Deuteranopia



86, 133, 212






# Tritanopia

0, 147, 159

# Trichromacy

	<b>Original Color</b> 57, 137, 211
	<b>Protanomaly</b> 88, 133, 207
	<b>Deuteranomaly</b> 75, 134, 212
	<b>Tritanomaly</b> 21, 143, 178

# Monochromacy

	<b>Original Color</b> 57, 137, 211
	<b>Achromatopsia</b> 122, 122, 122
	<b>Achromatomaly</b> 98, 127, 154

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 57, 137, 211 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, 137, 211) looks like.

```
.text, #text, p{  
    color:rgb(57, 137, 211)  
}
```

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, 137, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 137, 211) }
```

## Border

The CSS property to change the border of an element to RGB 57, 137, 211 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, 137, 211) }
```

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

```
.border{ border-color:rgb(57, 137, 211) }
```

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

Here you see how a box with a 4 pixel rgb(57, 137, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 137, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 137, 211);  
box-shadow:4px 4px 4px 4px rgb(57, 137,  
211) }
```

# Background

The CSS property to change the background color of an element to RGB 57, 137, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(57, 137, 211) }
```

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

```
.background{ background-color:rgb(57, 137,  
211) }
```

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