

# Converting Colors

RGB(85, 166, 218)

Have a look what the booklet for  
RGB(85, 166, 218) contains.

<b>RGB(85, 166, 218)</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(85, 166, 218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	55A6DA
RGB	85, 166, 218
RGB Percent	33%, 65%, 85%
CMY	0.6667, 0.3490, 0.1451
CMYK	0.61, 0.24, 0.00, 0.15
HSL	203°, 64%, 59%
HSV	203°, 61%, 85%
XYZ	30.0374, 34.2657, 71.3605
YIQ	147.7090, -64.9680, -1.0000

# Conversions

## Conversions Part 2

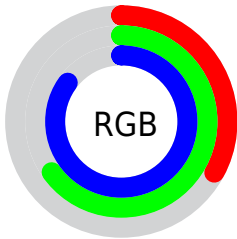
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 135, 218
Decimal	5613274
CIE <sub>Lab</sub>	65.17, -9.31, -33.77
CIE <sub>LCh</sub>	65, 35.031, 254.589
Yxy	34.2657, 0.2214, 0.2526
Android (android.graphics.Color)	4283803354 (0xFF55A6DA)
YUV	147.7090, 34.6535, -54.9958
Hunter-Lab	58.5369, -10.8447, -31.3027

# Details

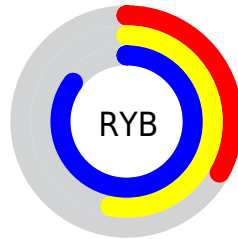
The RGB color **85, 166, 218** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **218, 137, 85**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **145, 221, 255**, and **0, 114, 163** is the 20% darker color. If you saturate the color by 10%, you get **63, 157, 218**, and if you desaturate by 10%, it is **107, 175, 218**.

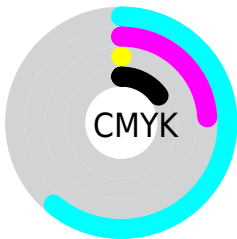
# Distribution



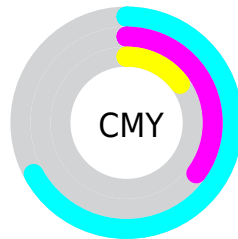
- Red (33%)
- Green (65%)
- Blue (85%)



- Red (33%)
- Yellow (53%)
- Blue (85%)



- Cyan (61%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



















- Cyan (67%)
- Magenta (35%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 85, 166, 218 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 85, 166, 218 by changing the saturation by 10% instead.



 85, 166, 218	 85, 166, 218
 255, 255, 255	 51, 140, 190
 145, 221, 255	 0, 114, 163
 174, 249, 255	 0, 90, 136
 204, 255, 255	 0, 67, 111
 234, 255, 255	 0, 45, 86
	 0, 25, 63
	 0, 3, 40
	 0, 1, 18
	 0, 0, 0

■ 85, 166, 218

■ 85, 166, 218

■ 63, 157, 218

■ 107, 175, 218

■ 41, 149, 218

■ 129, 183, 218

■ 20, 140, 218

■ 150, 192, 218

■ 0, 133, 218

■ 172, 200, 218

■ 194, 209, 218

■ 216, 217, 218

■ 238, 226, 218

■ 255, 234, 218

■ 255, 243, 218

# Harmonies

## Analogous

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



34, 172, 201



85, 166, 218



138, 156, 219

# Triad

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



85, 166, 218



220, 134, 144



129, 169, 112

# Complementary

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



85, 166, 218



218, 137, 85

# 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.



164, 161, 97



85, 166, 218



213, 140, 116

# Square

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



85, 166, 218



209, 136, 176



193, 151, 98



89, 174, 140

# Rectangle

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



85, 166, 218



168, 148, 210



193, 151, 98



141, 167, 105

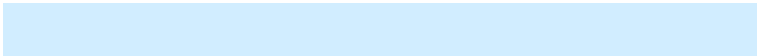


# Sweetspot

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



85, 166, 218



209, 237, 255



85, 218, 136



99, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



85, 166, 218



69, 182, 255



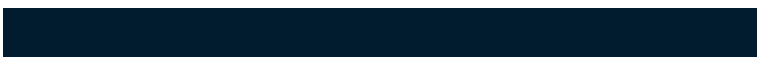
85, 101, 218



99, 105, 110



0, 106, 173



0, 28, 46



# Inverse Universe

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



218, 85, 166



255, 69, 182



218, 202, 85



110, 99, 105



173, 0, 106



46, 0, 28



# Previews

## White Background



This preview shows how the RGB color 85, 166, 218 looks on a white background.

## Color Contrast Check

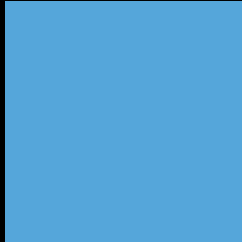
Large Text (above 18pt) WCAG AA × Fail

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 85, 166, 218 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 ✓ Pass

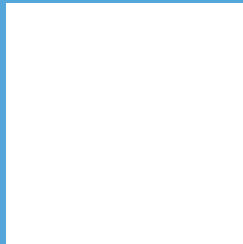
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 85, 166, 218 Background



This preview shows how black text looks on a background with the RGB color 85, 166, 218.

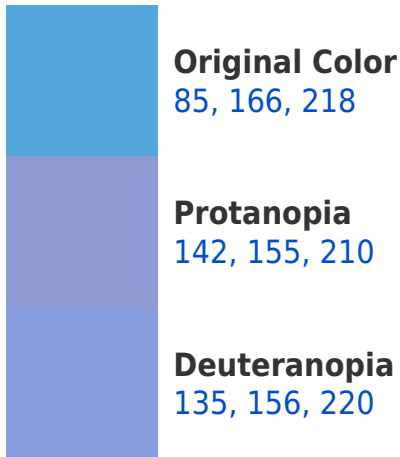


This preview shows how white text looks on a background with the RGB color 85, 166, 218.

# 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](#).

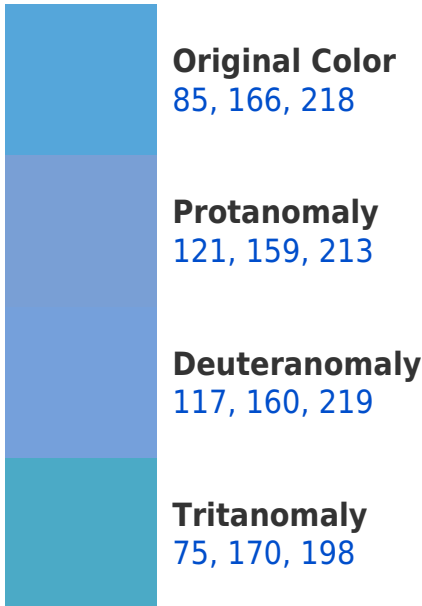
## Dichromacy



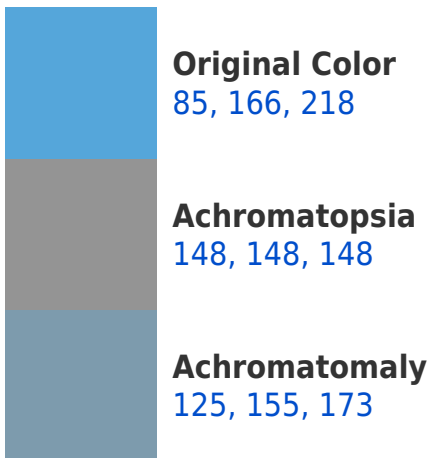


**Tritanopia**  
70, 172, 186

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 85, 166, 218 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(85, 166, 218) looks like.

```
.text, #text, p{  
    color:rgb(85, 166, 218)  
}
```

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(85, 166, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 166, 218) }
```

## Border

The CSS property to change the border of an element to RGB 85, 166, 218 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(85, 166, 218) }
```

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

```
.border{ border-color:rgb(85, 166, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 166, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 166, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 166, 218);  
box-shadow:4px 4px 4px 4px rgb(85, 166,  
218) }
```

# Background

The CSS property to change the background color of an element to RGB 85, 166, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 166, 218) }
```

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

```
.background{ background-color: rgb(85, 166,  
218) }
```

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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