

# Converting Colors

RGB(100, 177, 211)

Have a look what the booklet for  
RGB(100, 177, 211) contains.

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# **Color**

**RGB(100, 177, 211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64B1D3
RGB	100, 177, 211
RGB Percent	39%, 69%, 83%
CMY	0.6078, 0.3059, 0.1725
CMYK	0.53, 0.16, 0.00, 0.17
HSL	198°, 56%, 61%
HSV	198°, 53%, 83%
XYZ	32.7355, 38.8568, 67.4028
YIQ	157.8530, -56.8060, -5.7500

# Conversions

## Conversions Part 2

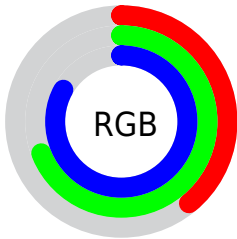
Format	Color
<a href="#">RYB</a>	100, 145, 211
Decimal	6599123
CIELab	68.65, -14.38, -24.51
CIElCh	69, 28.415, 239.600
Yxy	38.8568, 0.2355, 0.2796
Android (android.graphics.Color)	4284789203 (0xFF64B1D3)
YUV	157.8530, 26.2015, -50.7371
Hunter-Lab	62.3352, -15.3467, -20.4754

# Details

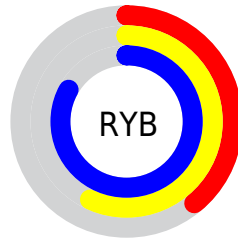
The RGB color **100, 177, 211** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **211, 134, 100**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **157, 233, 255**, and **37, 124, 156** is the 20% darker color. If you saturate the color by 10%, you get **79, 171, 211**, and if you desaturate by 10%, it is **121, 183, 211**.

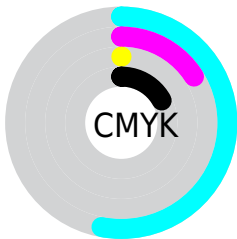
# Distribution



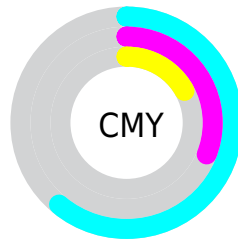
- Red (39%)
- Green (69%)
- Blue (83%)



- Red (39%)
- Yellow (57%)
- Blue (83%)



- Cyan (53%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)




- Cyan (61%)
- Magenta (31%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 100, 177, 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 100, 177, 211 by changing the saturation by 10% instead.



 100, 177, 211


255, 255, 255


 157, 233, 255


 186, 255, 255

 216, 255, 255

 245, 255, 255

 100, 177, 211


 70, 150, 183

 37, 124, 156

 0, 99, 130

 0, 75, 105

 0, 53, 81

 0, 32, 58

 0, 2, 36

 0, 0, 12

 0, 0, 0

■ 100, 177, 211

■ 100, 177, 211

■ 79, 171, 211

■ 121, 183, 211

■ 58, 164, 211

■ 142, 190, 211

■ 37, 158, 211

■ 163, 196, 211

■ 16, 151, 211

■ 184, 203, 211

■ 0, 146, 211

■ 205, 209, 211

■ 227, 216, 211

■ 248, 222, 211

■ 255, 229, 211

■ 255, 235, 211

# Harmonies

## Analogous

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



87, 181, 192



100, 177, 211



134, 170, 218

# Triad

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



100, 177, 211



216, 149, 169



159, 174, 122

# Complementary

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



100, 177, 211



211, 134, 100

# 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.



186, 166, 116



100, 177, 211



218, 150, 143

# Square

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



100, 177, 211



200, 153, 194



207, 157, 124



129, 179, 141

# Rectangle

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



100, 177, 211



159, 164, 216



207, 157, 124



168, 171, 119

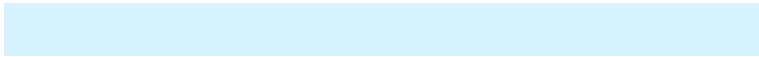


# Sweetspot

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



100, 177, 211



214, 243, 255



100, 211, 133



103, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



100, 177, 211



94, 206, 255



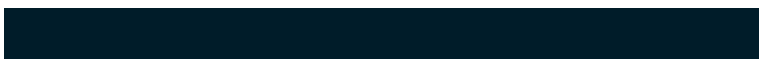
100, 122, 211



94, 101, 105



0, 117, 168



0, 28, 41



# Inverse Universe

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



211, 100, 177



255, 94, 206



211, 189, 100



105, 94, 101



168, 0, 117



41, 0, 28



# Previews

## White Background



This preview shows how the RGB color 100, 177, 211 looks on a white background.

## Color Contrast Check

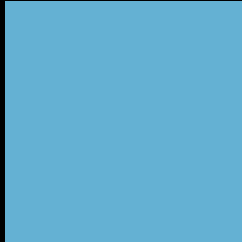
Large Text (above 18pt) WCAG AA × Fail

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 100, 177, 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 ✓ Pass

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



## RGB 100, 177, 211 Background



This preview shows how black text looks on a background with the RGB color 100, 177, 211.

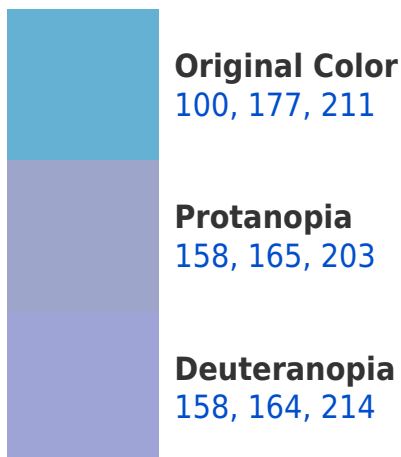


This preview shows how white text looks on a background with the RGB color 100, 177, 211.

# 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](#).

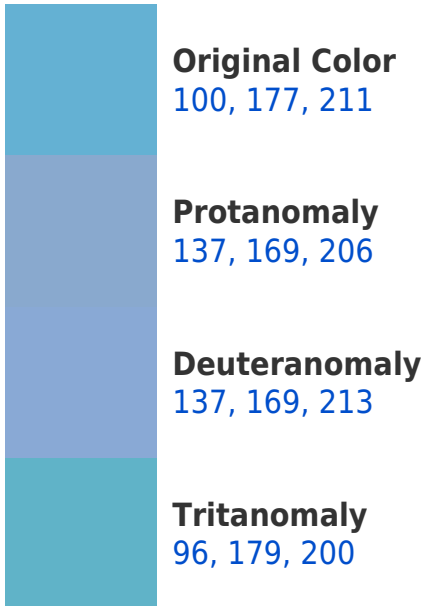
## Dichromacy



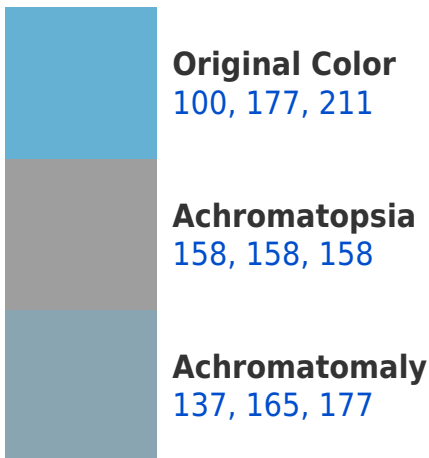


**Tritanopia**  
94, 180, 194

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 100, 177, 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(100, 177, 211)` looks like.

```
.text, #text, p{  
    color:rgb(100, 177, 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(100, 177, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 177, 211) }
```

## Border

The CSS property to change the border of an element to RGB 100, 177, 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(100, 177, 211) }
```

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

```
.border{ border-color:rgb(100, 177, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 177, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 177, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 177, 211);  
box-shadow:4px 4px 4px 4px rgb(100, 177,  
211) }
```

# Background

The CSS property to change the background color of an element to RGB 100, 177, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 177, 211) }
```

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

```
.background{ background-color: rgb(100,  
177, 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](#).



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