

# Converting Colors

`RYB(117, 180, 209)`

Have a look what the booklet for  
RYB(117, 180, 209) contains.

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# Color

**R<sub>Y</sub>B(117, 180, 209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75D19F
RGB	117, 209, 159
RGB Percent	46%, 82%, 62%
CMY	0.5412, 0.1804, 0.3751
CMYK	0.44, 0.00, 0.24, 0.18
HSL	148°, 50%, 64%
HSV	148°, 44%, 82%
XYZ	36.4249, 51.8982, 41.0575
YIQ	175.7920, -38.7820, -35.0540

# Conversions

## Conversions Part 2

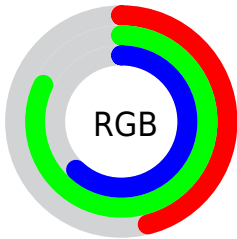
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 180, 209
Decimal	7721375
CIELab	77.22, -38.63, 16.23
CIElCh	77, 41.901, 157.206
Yxy	51.8982, 0.2815, 0.4011
Android (android.graphics.Color)	4285911455 (0xFF75D19F)
YUV	175.7920, -8.2785, -51.5606
Hunter-Lab	72.0404, -35.8178, 16.6375

# Details

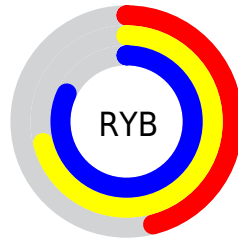
The RYB color **117, 180, 209** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **209, 117, 167**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **173, 228, 255**, and **61, 123, 154** is the 20% darker color. If you saturate the color by 10%, you get **96, 173, 209**, and if you desaturate by 10%, it is **138, 186, 209**.

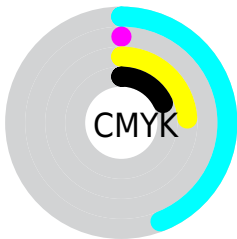
# Distribution



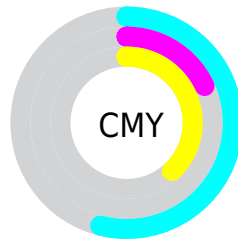
- Red (46%)
- Green (82%)
- Blue (62%)



- Red (46%)
- Yellow (71%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)



- Cyan (54%)
- Magenta (18%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 117, 180, 209 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 RYB color 117, 180, 209 by changing the saturation by 10% instead.



 117, 180, 209


255, 255, 255


 173, 228, 255

 202, 232, 255

 231, 243, 255

 117, 180, 209

 89, 151, 181

 61, 123, 154

 29, 92, 127


 0, 64, 102


 0, 52, 77


 0, 40, 53

 0, 33, 33


 0, 0, 0

 117, 180, 209


 117, 180, 209

 96, 173, 209


 138, 186, 209

 75, 167, 209

 159, 193, 209

 54, 160, 209

 180, 200, 209

 33, 154, 209

 201, 207, 209

 13, 147, 209

 221, 209, 216

 0, 143, 209

 242, 209, 227

 255, 209, 238

 255, 209, 250

 255, 209, 255

# Harmonies

## Analogous

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



127, 202, 164



117, 180, 209



59, 139, 212

# Triad

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



117, 180, 209



149, 179, 255



255, 170, 146

# Complementary

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



117, 180, 209



209, 117, 167

# 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.



255, 160, 183



117, 180, 209



207, 177, 253

# Square

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



117, 180, 209



78, 151, 255



247, 165, 222



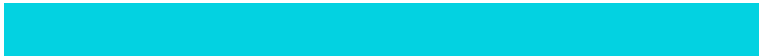
241, 231, 120

# Rectangle

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



117, 180, 209



3, 110, 225



247, 165, 222



255, 163, 157

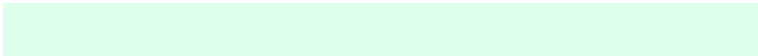


# Sweetspot

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



117, 180, 209



222, 245, 255



117, 209, 158



107, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



117, 180, 209



120, 213, 255



117, 164, 209



94, 102, 105



0, 115, 168



0, 28, 41



# Inverse Universe

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



209, 117, 167



255, 120, 193



209, 117, 122



105, 94, 100



168, 0, 91



41, 0, 22



# Previews

## White Background



This preview shows how the RYB color 117, 180, 209 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 RYB color 117, 180, 209 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](#).



## **RYB 117, 180, 209 Background**



This preview shows how black text looks on a background with the RYB color 117, 180, 209.

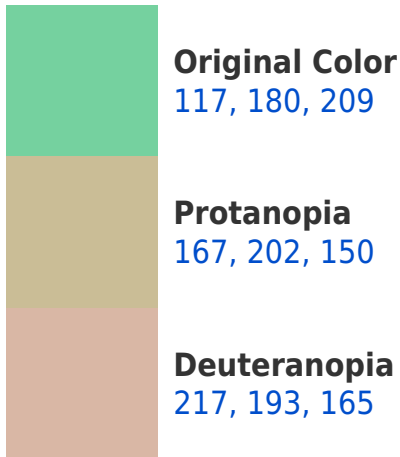


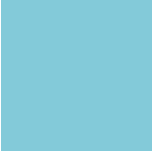
This preview shows how white text looks on a background with the RYB color 117, 180, 209.

# 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**  
131, 170, 217

# Trichromacy



**Original Color**

117, 180, 209



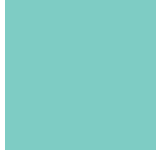
**Protanomaly**

153, 196, 178



**Deuteranomaly**

163, 192, 174



**Tritanomaly**

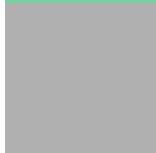
126, 167, 204

# Monochromacy



**Original Color**

117, 180, 209



**Achromatopsia**

176, 176, 176



**Achromatomaly**

155, 178, 188

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 117, 180, 209 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(117, 209, 159)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 159)  
}
```

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(117, 209, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 159) }
```

## Border

The CSS property to change the border of an element to RYB 117, 180, 209 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(117, 209, 159) }
```

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

```
.border{ border-color:rgb(117, 209, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 209, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 209, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 209, 159); box-shadow:4px 4px 4px 4px rgb(117, 209, 159) }
```

# Background

The CSS property to change the background color of an element to RYB 117, 180, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 159) }
```

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

```
.background{ background-color: rgb(117,  
209, 159) }
```

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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