

# Converting Colors

`RYB(118, 191, 185)`

Have a look what the booklet for  
RYB(118, 191, 185) contains.

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# Color

**R<sub>Y</sub>B(118, 191, 185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CBF76
RGB	124, 191, 118
RGB Percent	49%, 75%, 46%
CMY	0.5137, 0.2510, 0.5373
CMYK	0.35, 0.00, 0.38, 0.25
HSL	115°, 36%, 61%
HSV	115°, 38%, 75%
XYZ	30.2130, 42.8547, 23.8189
YIQ	162.6450, -16.4990, -36.9070

# Conversions

## Conversions Part 2

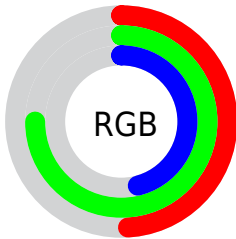
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">118, 191, 185</a>
Decimal	<a href="#">8175478</a>
CIELab	<a href="#">71.46, -35.73, 30.28</a>
CIELCh	<a href="#">71, 46.834, 139.722</a>
Yxy	<a href="#">42.8547, 0.3118, 0.4423</a>
Android (android.graphics.Color)	<a href="#">4286365558 (0xFF7CBF76)</a>
YUV	<a href="#">162.6450, -22.0100, -33.8917</a>
Hunter-Lab	<a href="#">65.4635, -32.1790, 24.2517</a>

# Details

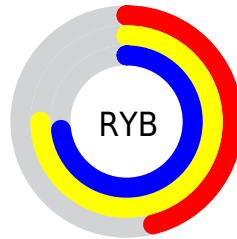
The RYB color **118, 191, 185** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **185, 118, 191**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **171, 248, 240**, and **68, 137, 134** is the 20% darker color. If you saturate the color by 10%, you get **99, 191, 184**, and if you desaturate by 10%, it is **137, 191, 186**.

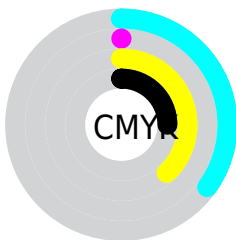
# Distribution



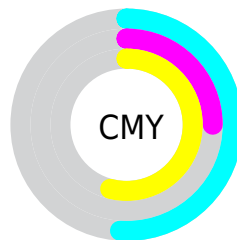
- Red (49%)
- Green (75%)
- Blue (46%)



- Red (46%)
- Yellow (75%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)
- Black (25%)



- Cyan (51%)
- Magenta (25%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 118, 191, 185 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 118, 191, 185 by changing the saturation by 10% instead.



 118, 191, 185


255, 255, 255


 171, 248, 240


 198, 255, 246

 227, 255, 246

 118, 191, 185

 93, 164, 160

 68, 137, 134

 44, 110, 111

 13, 78, 86

 0, 62, 62


 0, 40, 40

 0, 10, 10


 0, 0, 0

 118, 191, 185


 118, 191, 185

 99, 191, 184


 137, 191, 186

 80, 191, 182


 156, 191, 188

 61, 191, 181

 175, 191, 189

 42, 191, 179

 194, 191, 194

 23, 191, 178

 212, 191, 214

 3, 191, 175

 229, 191, 233

 0, 191, 175

 247, 191, 252

 255, 191, 255

# Harmonies

## Analogous

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



92, 181, 100



118, 191, 185



55, 136, 196

# Triad

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



118, 191, 185



68, 140, 255



255, 141, 148

# Complementary

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



118, 191, 185



185, 118, 191

# 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.



247, 142, 192



118, 191, 185



156, 167, 255

# Square

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



118, 191, 185



0, 107, 239



214, 153, 231



244, 170, 111

# Rectangle

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



118, 191, 185



0, 101, 197



214, 153, 231



255, 140, 163

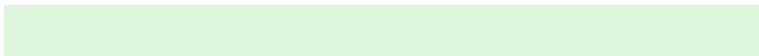


# Sweetspot

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



118, 191, 185



220, 247, 245



125, 191, 118



109, 125, 124



252, 252, 252



125, 125, 125



# Same Dimension

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



118, 191, 185



134, 247, 238



118, 170, 191



85, 94, 93



0, 158, 145



0, 31, 28



# Inverse Universe

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



185, 118, 191



238, 134, 247



191, 118, 161



94, 85, 94



145, 0, 158



28, 0, 31



# Previews

## White Background



This preview shows how the RYB color 118, 191, 185 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 118, 191, 185 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 118, 191, 185 Background



This preview shows how black text looks on a background with the RYB color 118, 191, 185.



This preview shows how white text looks on a background with the RYB color 118, 191, 185.

# 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](#).

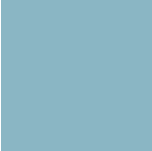
## Dichromacy



**Original Color**  
118, 191, 185

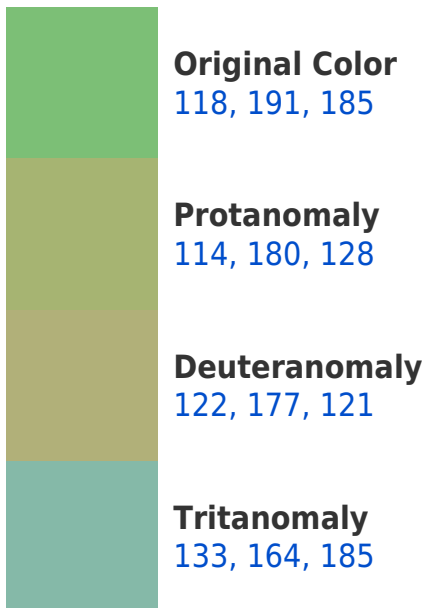
**Protanopia**  
131, 190, 111

**Deuteranopia**  
199, 207, 123

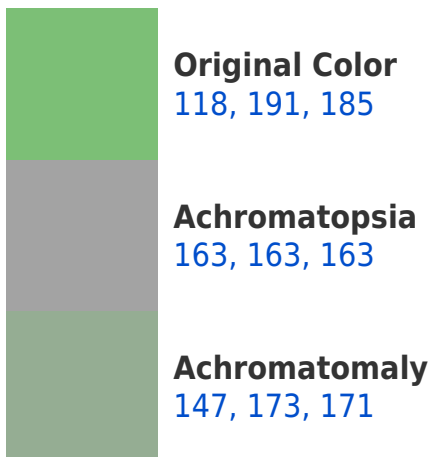


**Tritanopia**  
138, 163, 196

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 118, 191, 185 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(124, 191, 118)` looks like.

```
.text, #text, p{  
    color:rgb(124, 191, 118)  
}
```

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(124, 191, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 191, 118) }
```

## Border

The CSS property to change the border of an element to RYB 118, 191, 185 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(124, 191, 118) }
```

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

```
.border{ border-color:rgb(124, 191, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 191, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 191, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 191, 118);  
box-shadow:4px 4px 4px 4px rgb(124, 191,  
118) }
```

# Background

The CSS property to change the background color of an element to RYB 118, 191, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 191, 118) }
```

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

```
.background{ background-color: rgb(124,  
191, 118) }
```

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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