

# Converting Colors

`RYB(159, 180, 174)`

Have a look what the booklet for RYB(159, 180, 174) contains.

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# Color

**R<sub>Y</sub>B(159, 180, 174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5B49F
RGB	165, 180, 159
RGB Percent	65%, 71%, 62%
CMY	0.3529, 0.2941, 0.3765
CMYK	0.08, 0.00, 0.12, 0.29
HSL	103°, 12%, 66%
HSV	103°, 12%, 71%
XYZ	38.0963, 43.1451, 39.1208
YIQ	173.1210, -2.1990, -9.7110

# Conversions

## Conversions Part 2

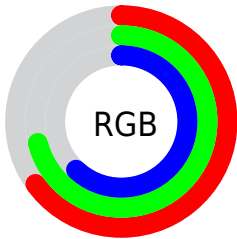
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 180, 174
Decimal	10859679
CIELab	71.65, -9.16, 8.94
CIELCh	72, 12.804, 135.692
Yxy	43.1451, 0.3165, 0.3585
Android (android.graphics.Color)	4289049759 (0xFFA5B49F)
YUV	173.1210, -6.9617, -7.1221
Hunter-Lab	65.6849, -11.4211, 10.6673

# Details

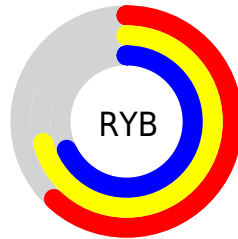
The RYB color **159, 180, 174** is a light color, and the websafe version is hex **999999**. A complement of this color would be **174, 159, 180**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **214, 236, 230**, and **108, 127, 122** is the 20% darker color. If you saturate the color by 10%, you get **141, 180, 169**, and if you desaturate by 10%, it is **177, 180, 179**.

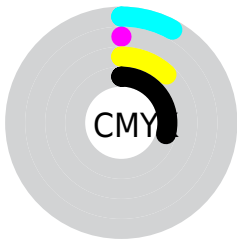
# Distribution



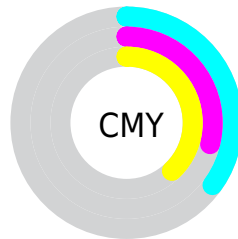
- Red (65%)
- Green (71%)
- Blue (62%)



- Red (62%)
- Yellow (71%)
- Blue (68%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 159, 180, 174 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 159, 180, 174 by changing the saturation by 10% instead.



 159, 180, 174


255, 255, 255

 214, 236, 230


 242, 255, 248

 159, 180, 174

 133, 153, 147

 108, 127, 122

 83, 102, 96

 60, 78, 73

 38, 55, 50


 18, 34, 30

 0, 11, 11


 0, 0, 0


 159, 180, 174


 159, 180, 174

 141, 180, 169


 177, 180, 179


 123, 180, 164


 191, 180, 195

 105, 180, 159


 204, 180, 213

 87, 180, 153


 216, 180, 231

 69, 180, 148


 229, 180, 249

 51, 180, 143

 242, 180, 255

 33, 180, 138

 255, 180, 255

 15, 180, 133

 0, 180, 129

# Harmonies

## Analogous

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



155, 179, 153



159, 180, 174



153, 172, 182

# Triad

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



159, 180, 174



157, 171, 198



201, 168, 170

# Complementary

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



159, 180, 174



174, 159, 180

# 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.



196, 168, 182



159, 180, 174



171, 174, 198

# Square

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



159, 180, 174



148, 167, 192



185, 171, 192



199, 172, 159

# Rectangle

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



159, 180, 174



148, 167, 183



185, 171, 192



200, 168, 174



# Sweetspot

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



159, 180, 174



225, 235, 232



167, 180, 159



111, 117, 115



245, 245, 245



117, 117, 117



# Same Dimension

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



159, 180, 174



202, 235, 226



159, 177, 180



80, 89, 86



0, 153, 109



0, 26, 19



# Inverse Universe

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



174, 159, 180



225, 202, 235



180, 159, 176



87, 80, 89



109, 0, 153



18, 0, 26



# Previews

## White Background



This preview shows how the RYB color 159, 180, 174 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 159, 180, 174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

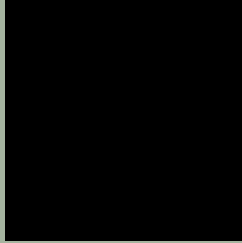
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

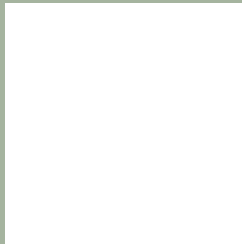
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 159, 180, 174 Background**



This preview shows how black text looks on a background with the RYB color 159, 180, 174.

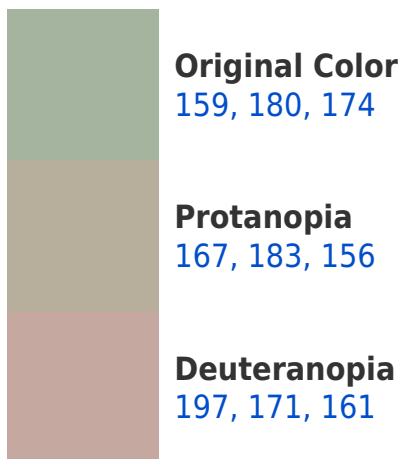


This preview shows how white text looks on a background with the RYB color 159, 180, 174.

# 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](#).

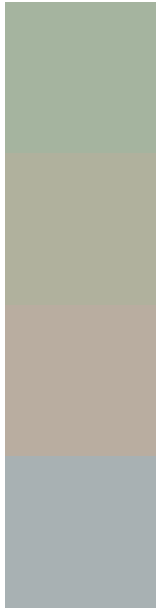
## Dichromacy





**Tritanopia**  
170, 175, 190

# Trichromacy



**Original Color**

159, 180, 174

**Protanomaly**

157, 177, 158

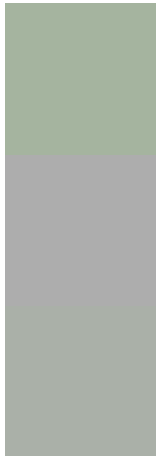
**Deuteranomaly**

183, 185, 160

**Tritanomaly**

168, 173, 179

# Monochromacy



**Original Color**

159, 180, 174

**Achromatopsia**

173, 173, 173

**Achromatomaly**

168, 176, 174

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 159, 180, 174 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(165, 180, 159) looks like.

```
.text, #text, p{  
    color:rgb(165, 180, 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(165, 180, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 180, 159) }
```

## Border

The CSS property to change the border of an element to RYB 159, 180, 174 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(165, 180, 159) }
```

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

```
.border{ border-color:rgb(165, 180, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 180, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 180, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 180, 159);  
box-shadow:4px 4px 4px 4px rgb(165, 180,  
159) }
```

# Background

The CSS property to change the background color of an element to RYB 159, 180, 174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 180, 159) }
```

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

```
.background{ background-color: rgb(165,  
180, 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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