

# Converting Colors

`RYB(174, 158, 174)`

Have a look what the booklet for  
RYB(174, 158, 174) contains.

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# Color

**R<sub>Y</sub>B(174, 158, 174)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE9EAE
RGB	174, 158, 174
RGB Percent	68%, 62%, 68%
CMY	0.3176, 0.3804, 0.3176
CMYK	0.00, 0.09, 0.00, 0.32
HSL	300°, 9%, 65%
HSV	300°, 9%, 68%
XYZ	37.3224, 36.5084, 45.1241
YIQ	164.6080, 4.4000, 8.3680

# Conversions

## Conversions Part 2

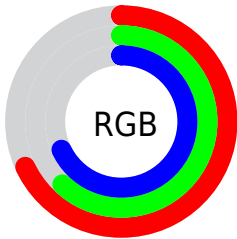
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 158, 174
Decimal	11443886
CIELab	66.91, 8.78, -6.17
CIELCh	67, 10.734, 324.917
Yxy	36.5084, 0.3138, 0.3069
Android (android.graphics.Color)	4289633966 (0xFFAE9EAE)
YUV	164.6080, 4.6303, 8.2368
Hunter-Lab	60.4222, 4.5196, -1.9831

# Details

The RYB color **174, 158, 174** is a light color, and the websafe version is hex **999999**. A complement of this color would be **158, 174, 174**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **230, 213, 229**, and **122, 107, 122** is the 20% darker color. If you saturate the color by 10%, you get **174, 141, 174**, and if you desaturate by 10%, it is **174, 175, 175**.

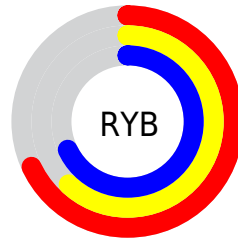
# Distribution



Red (68%)

Green (62%)

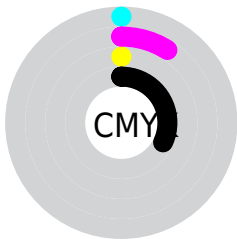
Blue (68%)



Red (68%)

Yellow (62%)

Blue (68%)

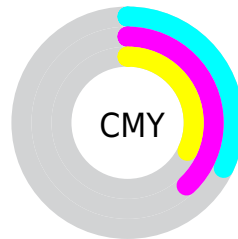


Cyan (0%)

Magenta (9%)

Yellow (0%)

Black (32%)



Cyan (32%)

Magenta (38%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 174, 158, 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 174, 158, 174 by changing the saturation by 10% instead.




 174, 158, 174

 174, 158, 174

255, 255, 255


 147, 132, 147

 230, 213, 229

 122, 107, 122

 255, 241, 255

 97, 82, 97


 73, 59, 73


 50, 38, 51


 29, 17, 30

 0, 0, 2


 0, 0, 0


 174, 158, 174


 174, 158, 174

 174, 141, 174

 174, 175, 175

 174, 123, 174


 174, 193, 193

 174, 106, 174

 174, 210, 210

 174, 88, 174


 174, 228, 228


 174, 71, 174

 174, 245, 245

 174, 54, 174

 174, 255, 255

 174, 36, 174

 174, 19, 174

 174, 1, 174

# Harmonies

## Analogous

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



163, 161, 180



174, 158, 174



182, 156, 165

# Triad

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



174, 158, 174



162, 173, 144



139, 154, 171

# Complementary

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



174, 158, 174



158, 174, 174

# 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.



142, 157, 168



174, 158, 174



145, 165, 148

# Square

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



174, 158, 174



180, 166, 147



151, 167, 167



142, 157, 178

# Rectangle

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



174, 158, 174



184, 156, 158



151, 167, 167



139, 155, 169



# Sweetspot

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



174, 158, 174



227, 220, 227



158, 158, 174



115, 110, 115



242, 242, 242



115, 115, 115



# Same Dimension

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



174, 158, 174



227, 202, 227



174, 158, 166



87, 78, 87



150, 0, 150



23, 0, 23



# Inverse Universe

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



174, 158, 174



227, 202, 227



158, 169, 174



87, 78, 87



150, 0, 150

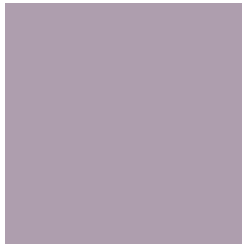


23, 0, 23



# Previews

## White Background



This preview shows how the RYB color 174, 158, 174 looks on a white background.

## Color Contrast Check

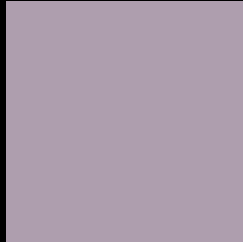
Large Text (above 18pt) WCAG AA × Fail

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 174, 158, 174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

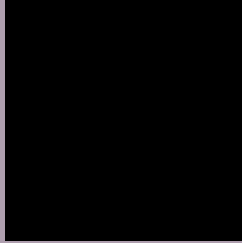
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYP 174, 158, 174 Background



This preview shows how black text looks on a background with the RYP color 174, 158, 174.



This preview shows how white text looks on a background with the RYP color 174, 158, 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



**Original Color**  
[174, 158, 174](#)

**Protanopia**  
[162, 162, 176](#)

**Deuteranopia**  
[174, 158, 174](#)



**Tritanopia**  
174, 159, 171

# Trichromacy



## Original Color

174, 158, 174

## Protanomaly

166, 161, 175

## Deuteranomaly

174, 158, 174

## Tritanomaly

174, 159, 172

# Monochromacy



## Original Color

174, 158, 174

## Achromatopsia

165, 165, 165

## Achromatomaly

168, 162, 168

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 174, 158, 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(174, 158, 174) looks like.

```
.text, #text, p{  
    color:rgb(174, 158, 174)  
}
```

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(174, 158, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 158, 174) }
```

## Border

The CSS property to change the border of an element to RYB 174, 158, 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(174, 158, 174) }
```

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

```
.border{ border-color:rgb(174, 158, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 158, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 158, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 158, 174);  
box-shadow:4px 4px 4px 4px rgb(174, 158,  
174) }
```

# Background

The CSS property to change the background color of an element to RYB 174, 158, 174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 158, 174) }
```

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

```
.background{ background-color: rgb(174,  
158, 174) }
```

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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