

# Converting Colors

`RYB(172, 99, 118)`

Have a look what the booklet for  
RYB(172, 99, 118) contains.

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# Color

**`RYB(172, 99, 118)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC6376
RGB	172, 99, 118
RGB Percent	67%, 39%, 46%
CMY	0.3255, 0.6118, 0.5373
CMYK	0.00, 0.42, 0.31, 0.33
HSL	344°, 31%, 53%
HSV	344°, 42%, 67%
XYZ	24.7451, 19.0023, 19.5031
YIQ	122.9930, 37.4090, 21.3850

# Conversions

## Conversions Part 2

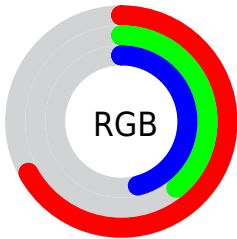
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 99, 118
Decimal	11297654
CIE <sub>Lab</sub>	50.69, 31.81, 2.24
CIE <sub>LCh</sub>	51, 31.889, 4.033
Yxy	19.0023, 0.3912, 0.3004
Android (android.graphics.Color)	4289487734 (0xFFAC6376)
YUV	122.9930, -2.4615, 42.9791
Hunter-Lab	43.5917, 25.0413, 3.9875

# Details

The RYB color **172, 99, 118** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **99, 141, 172**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **229, 151, 170**, and **117, 50, 70** is the 20% darker color. If you saturate the color by 10%, you get **172, 82, 105**, and if you desaturate by 10%, it is **172, 116, 131**.

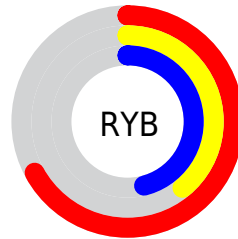
# Distribution



Red (67%)

Green (39%)

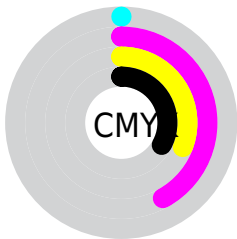
Blue (46%)



Red (67%)

Yellow (39%)

Blue (46%)

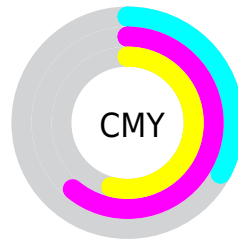


Cyan (0%)

Magenta (42%)

Yellow (31%)

Black (33%)



Cyan (33%)

Magenta (61%)














Yellow (54%)







# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 99, 118 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 172, 99, 118 by changing the saturation by 10% instead.



 172, 99, 118	 172, 99, 118
 255, 255, 255	 144, 74, 93
 229, 151, 170	 117, 50, 70
 255, 178, 197	 91, 26, 48
 255, 206, 225	 65, 0, 27
 255, 235, 254	 45, 0, 1
	 0, 0, 0

 172, 99, 118	 172, 99, 118
 172, 82, 105	 172, 116, 131
 172, 65, 93	 172, 133, 143

172, 47, 80

172, 151, 156

172, 30, 67

172, 168, 169

172, 13, 54

172, 179, 185

172, 0, 45

172, 189, 202

172, 199, 219

172, 209, 237

172, 219, 254

# Harmonies

## Analogous

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



158, 103, 145



172, 99, 118



171, 103, 92

# Triad

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



172, 99, 118



75, 128, 97



27, 87, 169

# Complementary

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



172, 99, 118



99, 141, 172

# 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.



0, 71, 150



172, 99, 118



72, 116, 133

# Square

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



172, 99, 118



85, 135, 66



26, 83, 135



86, 112, 175

# Rectangle

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



172, 99, 118



163, 124, 78



26, 83, 135



0, 73, 164



# Sweetspot

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



172, 99, 118



224, 195, 203



153, 99, 172



112, 94, 99



240, 240, 240



112, 112, 112



# Same Dimension

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



172, 99, 118



224, 110, 140



172, 121, 99



87, 78, 80



150, 0, 39



23, 0, 6



# Inverse Universe

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



172, 99, 118



224, 110, 140



99, 131, 172



87, 78, 80



150, 0, 39

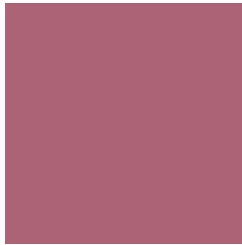


23, 0, 6



# Previews

## White Background



This preview shows how the RYB color 172, 99, 118 looks on a white background.

## Color Contrast Check

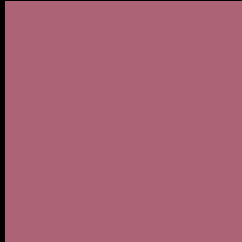
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 99, 118 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 × Fail

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



## RYB 172, 99, 118 Background



This preview shows how black text looks on a background with the RYB color 172, 99, 118.

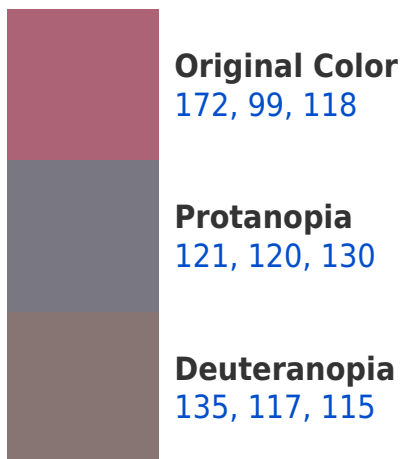



This preview shows how white text looks on a background with the RYB color 172, 99, 118.

# 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**  
171, 101, 108

# Trichromacy



**Original Color**

172, 99, 118

**Protanomaly**

140, 112, 126

**Deuteranomaly**

148, 110, 116

**Tritanomaly**

171, 100, 112

# Monochromacy



**Original Color**

172, 99, 118

**Achromatopsia**

123, 123, 123

**Achromatomaly**

141, 114, 121

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 99, 118 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(172, 99, 118)` looks like.

```
.text, #text, p{  
    color:rgb(172, 99, 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(172, 99, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 99, 118) }
```

## Border

The CSS property to change the border of an element to RYB 172, 99, 118 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(172, 99, 118) }
```

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

```
.border{ border-color:rgb(172, 99, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 99, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 99, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 99, 118);  
box-shadow:4px 4px 4px 4px rgb(172, 99,  
118) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 99, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 99, 118) }
```

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

```
.background{ background-color: rgb(172, 99,  
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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