

# Converting Colors

`RYB(197, 158, 190)`

Have a look what the booklet for  
RYB(197, 158, 190) contains.

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# Color

**R<sub>Y</sub>B(197, 158, 190)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59EBE
RGB	197, 158, 190
RGB Percent	77%, 62%, 75%
CMY	0.2275, 0.3804, 0.2549
CMYK	0.00, 0.20, 0.04, 0.23
HSL	311°, 25%, 70%
HSV	311°, 20%, 77%
XYZ	44.5471, 40.0417, 54.0961
YIQ	173.3090, 12.9720, 18.2200

# Conversions

## Conversions Part 2

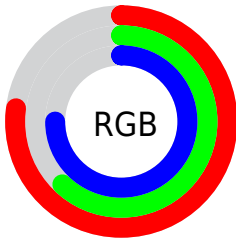
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 158, 190
Decimal	12951230
CIELab	69.50, 19.85, -10.99
CIELCh	69, 22.694, 331.032
Yxy	40.0417, 0.3212, 0.2887
Android (android.graphics.Color)	4291141310 (0xFFC59EBE)
YUV	173.3090, 8.2287, 20.7770
Hunter-Lab	63.2785, 14.9237, -6.3914

# Details

The RYB color **197, 158, 190** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **158, 191, 197**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **254, 213, 246**, and **143, 106, 137** is the 20% darker color. If you saturate the color by 10%, you get **197, 138, 186**, and if you desaturate by 10%, it is **197, 178, 194**.

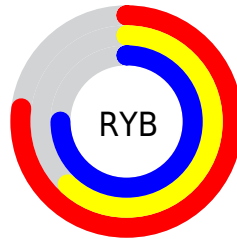
# Distribution



Red (77%)

Green (62%)

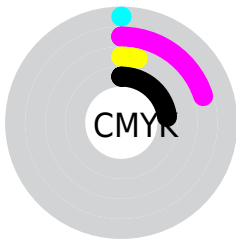
Blue (75%)



Red (77%)

Yellow (62%)

Blue (75%)

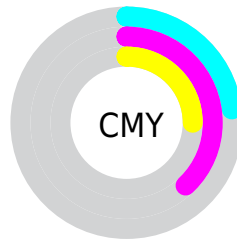


Cyan (0%)

Magenta (20%)

Yellow (4%)

Black (23%)



Cyan (23%)

Magenta (38%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 197, 158, 190 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 197, 158, 190 by changing the saturation by 10% instead.



 197, 158, 190

255, 255, 255

 254, 213, 246

 255, 241, 255

 197, 158, 190

 170, 132, 163

 143, 106, 137

 117, 82, 111


 92, 58, 87


 68, 36, 63

 45, 15, 41

 26, 0, 21

 0, 0, 0

 197, 158, 190

 197, 158, 190

197, 138, 186

197, 178, 194

197, 119, 183

197, 197, 197

197, 99, 179

197, 214, 217

197, 79, 176

197, 231, 237

197, 60, 172

197, 246, 255

197, 40, 169

197, 244, 255

197, 20, 165

197, 241, 255

197, 0, 162

197, 240, 255

197, 238, 255

# Harmonies

## Analogous

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



174, 164, 205



197, 158, 190



210, 155, 170

# Triad

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



197, 158, 190



150, 184, 129



111, 148, 190

# Complementary

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



197, 158, 190



158, 191, 197

# 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.



119, 153, 181



197, 158, 190



134, 175, 147

# Square

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



197, 158, 190



202, 182, 134



139, 171, 179



122, 155, 205

# Rectangle

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



197, 158, 190



212, 156, 156



139, 171, 179



112, 147, 184



# Sweetspot

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



197, 158, 190



255, 240, 252



165, 158, 197



128, 119, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



197, 158, 190



255, 194, 244



197, 158, 171



99, 90, 98



163, 0, 134



36, 0, 29



# Inverse Universe

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



197, 158, 190



255, 194, 244



158, 181, 197



99, 90, 98



163, 0, 134

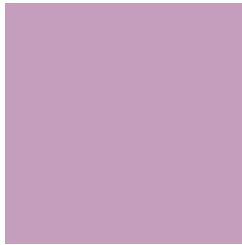


36, 0, 29



# Previews

## White Background



This preview shows how the RYB color 197, 158, 190 looks on a white background.

## Color Contrast Check

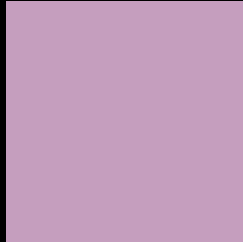
Large Text (above 18pt) WCAG AA × Fail

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 197, 158, 190 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 197, 158, 190 Background**



This preview shows how black text looks on a background with the RYB color 197, 158, 190.



This preview shows how white text looks on a background with the RYB color 197, 158, 190.

# 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**  
197, 158, 190

**Protanopia**  
165, 169, 197

**Deuteranopia**  
178, 165, 189



**Tritanopia**  
195, 161, 173

# Trichromacy



**Original Color**  
197, 158, 190

**Protanomaly**  
177, 165, 194

**Deuteranomaly**  
185, 162, 189

**Tritanomaly**  
196, 160, 179

# Monochromacy



**Original Color**  
197, 158, 190

**Achromatopsia**  
173, 173, 173

**Achromatomaly**  
182, 168, 179

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 197, 158, 190 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(197, 158, 190)` looks like.

```
.text, #text, p{  
    color:rgb(197, 158, 190)  
}
```

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(197, 158, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 158, 190) }
```

## Border

The CSS property to change the border of an element to RYB 197, 158, 190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

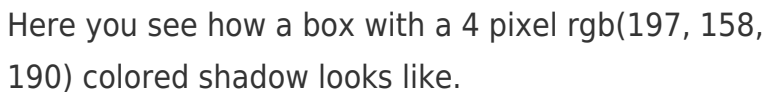
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 158, 190) }
```

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

```
.border{ border-color:rgb(197, 158, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 158, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 158, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 158, 190);  
box-shadow:4px 4px 4px 4px rgb(197, 158,  
190) }
```

# Background

The CSS property to change the background color of an element to RYB 197, 158, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 158, 190) }
```

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

```
.background{ background-color: rgb(197,  
158, 190) }
```

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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