

# Converting Colors

`RYB(191, 176, 197)`

Have a look what the booklet for RYB(191, 176, 197) contains.

<b>RYB(191, 176, 197)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(191, 176, 197)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BFB0C5
RGB	191, 176, 197
RGB Percent	75%, 69%, 77%
CMY	0.2510, 0.3098, 0.2275
CMYK	0.03, 0.11, 0.00, 0.23
HSL	283°, 15%, 73%
HSV	283°, 11%, 77%
XYZ	47.0892, 46.1583, 59.2509
YIQ	182.8790, 2.1990, 9.7110

# Conversions

## Conversions Part 2

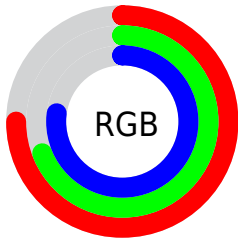
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 176, 197
Decimal	12562629
CIELab	73.65, 9.22, -8.72
CIELCh	74, 12.691, 316.615
Yxy	46.1583, 0.3088, 0.3027
Android (android.graphics.Color)	4290752709 (0xFFBFB0C5)
YUV	182.8790, 6.9617, 7.1221
Hunter-Lab	67.9399, 4.8239, -4.1494

# Details

The RYB color **191, 176, 197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **176, 197, 191**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **247, 232, 254**, and **138, 124, 143** is the 20% darker color. If you saturate the color by 10%, you get **185, 156, 197**, and if you desaturate by 10%, it is **197, 196, 197**.

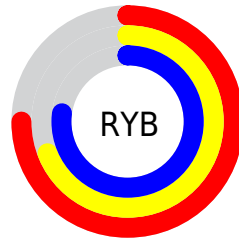
# Distribution



Red (75%)

Green (69%)

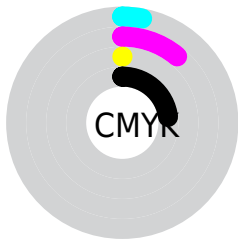
Blue (77%)



Red (75%)

Yellow (69%)

Blue (77%)

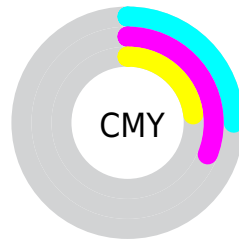


Cyan (3%)

Magenta (11%)

Yellow (0%)

Black (23%)



Cyan (25%)

Magenta (31%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 191, 176, 197 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 191, 176, 197 by changing the saturation by 10% instead.




 191, 176, 197

255, 255, 255

 247, 232, 254

 191, 176, 197

 164, 149, 170

 138, 124, 143

 112, 99, 118

 88, 75, 93


 64, 52, 69

 42, 31, 47

 22, 7, 26

 0, 0, 0

 191, 176, 197

 191, 176, 197

185, 156, 197

197, 196, 197

180, 137, 197

197, 215, 210

174, 117, 197

197, 235, 224

168, 97, 197

197, 255, 238

163, 78, 197

197, 255, 233

157, 58, 197

197, 255, 227

152, 38, 197

197, 255, 222

146, 18, 197

197, 255, 216

141, 0, 197

197, 255, 210

# Harmonies

## Analogous

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



177, 180, 203



191, 176, 197



202, 174, 187

# Triad

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



191, 176, 197



194, 196, 159



152, 170, 188

# Complementary

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



191, 176, 197



176, 197, 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.



158, 177, 188



191, 176, 197



161, 184, 159

# Square

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



191, 176, 197



204, 179, 164



165, 185, 180



153, 172, 197

# Rectangle

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



191, 176, 197



205, 173, 179



165, 185, 180



153, 172, 188



# Sweetspot

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



191, 176, 197



253, 247, 255



176, 181, 197



126, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



191, 176, 197



246, 222, 255



197, 176, 193



97, 90, 99



117, 0, 163



26, 0, 36



# Inverse Universe

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



197, 176, 182



255, 222, 231



176, 194, 197



99, 90, 92



163, 0, 47

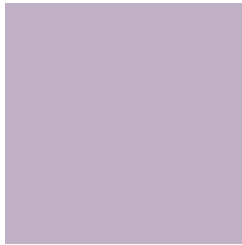


36, 0, 10



# Previews

## White Background



This preview shows how the RYB color 191, 176, 197 looks on a white background.

## Color Contrast Check

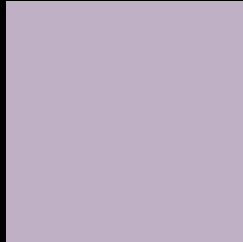
Large Text (above 18pt) WCAG AA × Fail

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 191, 176, 197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

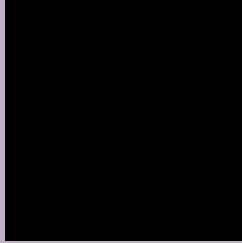
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 191, 176, 197 Background**



This preview shows how black text looks on a background with the RYB color 191, 176, 197.



This preview shows how white text looks on a background with the RYB color 191, 176, 197.

# 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**

191, 176, 197

**Protanopia**

179, 180, 199

**Deuteranopia**

191, 176, 197



**Tritanopia**  
190, 177, 191

# Trichromacy



**Original Color**

191, 176, 197

**Protanomaly**

183, 179, 198

**Deuteranomaly**

191, 176, 197

**Tritanomaly**

190, 177, 193

# Monochromacy



**Original Color**

191, 176, 197

**Achromatopsia**

183, 183, 183

**Achromatomaly**

186, 180, 188

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 191, 176, 197 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(191, 176, 197)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 197)  
}
```

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(191, 176, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 197) }
```

## Border

The CSS property to change the border of an element to RYB 191, 176, 197 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(191, 176, 197) }
```

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

```
.border{ border-color:rgb(191, 176, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 176, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 197);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
197) }
```

# Background

The CSS property to change the background color of an element to RYB 191, 176, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 197) }
```

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

```
.background{ background-color: rgb(191,  
176, 197) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor