

# Converting Colors

`RYB(191, 160, 180)`

Have a look what the booklet for  
RYB(191, 160, 180) contains.

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# Color

**R<sub>Y</sub>B(191, 160, 180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFA0B4
RGB	191, 160, 180
RGB Percent	75%, 63%, 71%
CMY	0.2510, 0.3725, 0.2941
CMYK	0.00, 0.16, 0.06, 0.25
HSL	321°, 19%, 69%
HSV	321°, 16%, 75%
XYZ	42.2949, 39.5133, 48.5777
YIQ	171.5490, 12.0560, 12.7920

# Conversions

## Conversions Part 2

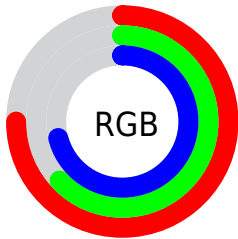
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 160, 180
Decimal	12558516
CIE <sub>Lab</sub>	69.12, 14.82, -6.06
CIE <sub>LCh</sub>	69, 16.016, 337.760
Yxy	39.5133, 0.3244, 0.3030
Android (android.graphics.Color)	4290748596 (0xFFBFA0B4)
YUV	171.5490, 4.1663, 17.0585
Hunter-Lab	62.8596, 10.0989, -1.8174

# Details

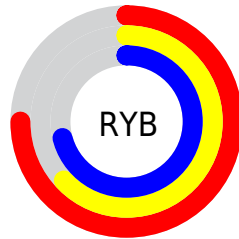
The RYB color **191, 160, 180** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **160, 183, 191**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **248, 215, 236**, and **137, 108, 127** is the 20% darker color. If you saturate the color by 10%, you get **191, 141, 173**, and if you desaturate by 10%, it is **191, 179, 187**.

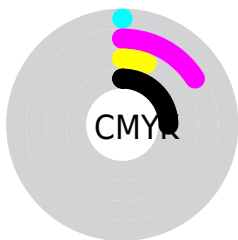
# Distribution



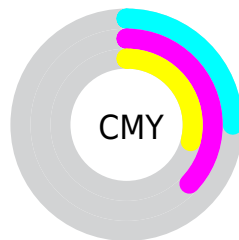
- Red (75%)
- Green (63%)
- Blue (71%)



- Red (75%)
- Yellow (63%)
- Blue (71%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (25%)



- Cyan (25%)
- Magenta (37%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 191, 160, 180 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, 160, 180 by changing the saturation by 10% instead.




 191, 160, 180


255, 255, 255

 248, 215, 236

 255, 243, 255

 191, 160, 180


 164, 134, 153

 137, 108, 127

 112, 84, 102

 87, 61, 78

 63, 39, 55


 41, 18, 34


 20, 0, 12


 0, 0, 0


 191, 160, 180


 191, 160, 180

 191, 141, 173


 191, 179, 187

 191, 122, 166


 191, 196, 198

 191, 103, 160


 191, 210, 217

 191, 84, 153


 191, 224, 236

 191, 65, 146

 191, 238, 255

 191, 45, 139

 191, 235, 255

 191, 26, 133

 191, 232, 255

 191, 7, 126

 191, 229, 255

 191, 0, 123

 191, 227, 255

# Harmonies

## Analogous

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



176, 164, 192



191, 160, 180



199, 159, 165

# Triad

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



191, 160, 180



149, 176, 140



131, 156, 186

# Complementary

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



191, 160, 180



160, 183, 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.



133, 156, 177



191, 160, 180



146, 173, 159

# Square

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



191, 160, 180



190, 183, 142



144, 167, 176



140, 161, 195

# Rectangle

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



191, 160, 180



199, 159, 156



144, 167, 176



130, 155, 182



# Sweetspot

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



191, 160, 180



247, 235, 243



171, 160, 191



125, 117, 122



252, 252, 252



125, 125, 125



# Same Dimension

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



191, 160, 180



247, 200, 231



191, 160, 165



94, 85, 91



158, 0, 102



31, 0, 20



# Inverse Universe

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



191, 160, 180



247, 200, 231



160, 177, 191



94, 85, 91



158, 0, 102



31, 0, 20



# Previews

## White Background



This preview shows how the RYB color 191, 160, 180 looks on a white background.

## Color Contrast Check

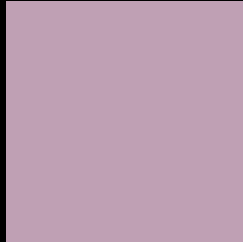
Large Text (above 18pt) WCAG AA × Fail

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, 160, 180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

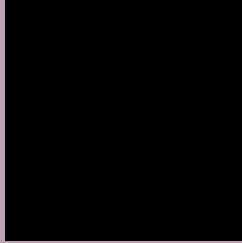
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 191, 160, 180 Background**



This preview shows how black text looks on a background with the RYB color 191, 160, 180.



This preview shows how white text looks on a background with the RYB color 191, 160, 180.

# 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, 160, 180

**Protanopia**

167, 168, 185

**Deuteranopia**

181, 164, 179



**Tritanopia**  
190, 161, 174

# Trichromacy



**Original Color**

191, 160, 180

**Protanomaly**

176, 165, 183

**Deuteranomaly**

185, 163, 179

**Tritanomaly**

190, 161, 176

# Monochromacy



**Original Color**

191, 160, 180

**Achromatopsia**

172, 172, 172

**Achromatomaly**

179, 168, 175

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 191, 160, 180 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, 160, 180)` looks like.

```
.text, #text, p{  
    color:rgb(191, 160, 180)  
}
```

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, 160, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 160, 180) }
```

## Border

The CSS property to change the border of an element to RYB 191, 160, 180 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, 160, 180) }
```

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

```
.border{ border-color:rgb(191, 160, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 160, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 160, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 160, 180);  
box-shadow:4px 4px 4px 4px rgb(191, 160,  
180) }
```

# Background

The CSS property to change the background color of an element to RYB 191, 160, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 160, 180) }
```

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

```
.background{ background-color: rgb(191,  
160, 180) }
```

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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