

# Converting Colors

`RYB(166, 151, 168)`

Have a look what the booklet for  
RYB(166, 151, 168) contains.

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# **Color**

**R<sub>Y</sub>B(166, 151, 168)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A697A8
RGB	166, 151, 168
RGB Percent	65%, 59%, 66%
CMY	0.3490, 0.4078, 0.3412
CMYK	0.01, 0.10, 0.00, 0.34
HSL	293°, 9%, 63%
HSV	293°, 10%, 66%
XYZ	33.8604, 33.0674, 41.6438
YIQ	157.4230, 3.4830, 8.4670

# Conversions

## Conversions Part 2

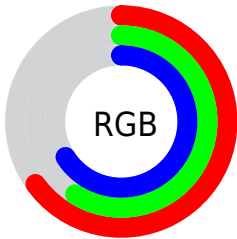
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 151, 168
Decimal	10917800
CIELab	64.22, 8.69, -6.87
CIELCh	64, 11.082, 321.670
Yxy	33.0674, 0.3119, 0.3046
Android (android.graphics.Color)	4289107880 (0xFFA697A8)
YUV	157.4230, 5.2145, 7.5220
Hunter-Lab	57.5042, 4.4743, -2.6841

# Details

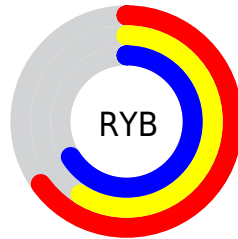
The RYB color **166, 151, 168** is a light color, and the websafe version is hex **999999**. A complement of this color would be **151, 168, 166**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **221, 205, 223**, and **114, 100, 116** is the 20% darker color. If you saturate the color by 10%, you get **164, 134, 168**, and if you desaturate by 10%, it is **168, 168, 168**.

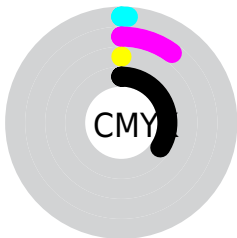
# Distribution



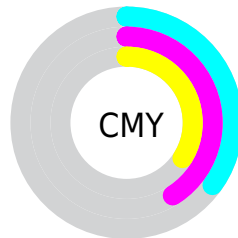
- Red (65%)
- Green (59%)
- Blue (66%)



- Red (65%)
- Yellow (59%)
- Blue (66%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (34%)



- Cyan (35%)
- Magenta (41%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 166, 151, 168 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 166, 151, 168 by changing the saturation by 10% instead.





 166, 151, 168


255, 255, 255

 221, 205, 223

 250, 233, 252

 166, 151, 168

 140, 125, 142

 114, 100, 116

 90, 76, 91


 66, 53, 68


 44, 32, 46

 24, 9, 25

 0, 0, 0

 166, 151, 168

 164, 134, 168

 166, 151, 168

 168, 168, 168

162, 117, 168

168, 185, 183

160, 101, 168

168, 201, 197

158, 84, 168

168, 218, 212

156, 67, 168

168, 235, 227

154, 50, 168

168, 252, 242

152, 33, 168

168, 255, 243

150, 17, 168

168, 255, 241

148, 0, 168

168, 255, 239

# Harmonies

## Analogous

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



154, 154, 174



166, 151, 168



174, 149, 159

# Triad

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



166, 151, 168



158, 167, 136



131, 146, 163

# Complementary

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



166, 151, 168



151, 168, 166

# 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.



135, 151, 161



166, 151, 168



137, 157, 138

# Square

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



166, 151, 168



174, 155, 141



143, 160, 158



133, 149, 171

# Rectangle

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



166, 151, 168



177, 149, 152



143, 160, 158



132, 148, 162



# Sweetspot

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



166, 151, 168



219, 213, 219



151, 153, 168



109, 105, 110



237, 237, 237



110, 110, 110



# Same Dimension

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



166, 151, 168



216, 193, 219



168, 151, 162



83, 76, 84



131, 0, 148



18, 0, 20



# Inverse Universe

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



168, 151, 153



219, 193, 196



151, 164, 168



84, 76, 77



148, 0, 17

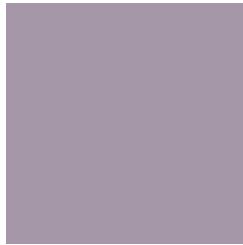


20, 0, 2



# Previews

## White Background



This preview shows how the RYB color 166, 151, 168 looks on a white background.

## Color Contrast Check

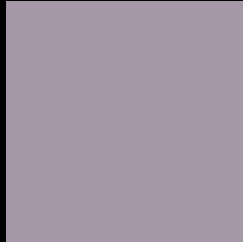
Large Text (above 18pt) WCAG AA × Fail

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 166, 151, 168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

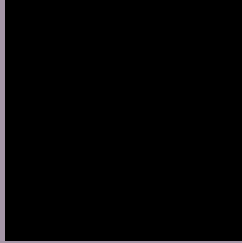
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 166, 151, 168 Background



This preview shows how black text looks on a background with the RYB color 166, 151, 168.



This preview shows how white text looks on a background with the RYB color 166, 151, 168.

# 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**  
166, 151, 168

**Protanopia**  
154, 155, 170

**Deuteranopia**  
165, 151, 168



**Tritanopia**  
165, 152, 164

# Trichromacy



**Original Color**

166, 151, 168

**Protanomaly**

158, 154, 169

**Deuteranomaly**

165, 151, 168

**Tritanomaly**

165, 152, 165

# Monochromacy



**Original Color**

166, 151, 168

**Achromatopsia**

157, 157, 157

**Achromatomaly**

160, 155, 161

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 166, 151, 168 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(166, 151, 168) looks like.

```
.text, #text, p{  
    color:rgb(166, 151, 168)  
}
```

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(166, 151, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 151, 168) }
```

## Border

The CSS property to change the border of an element to RYB 166, 151, 168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

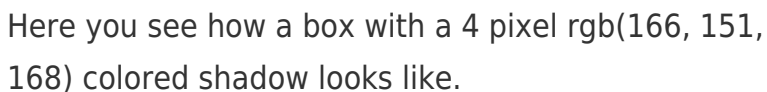
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 151, 168) }
```

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

```
.border{ border-color:rgb(166, 151, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 151, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 151, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 151, 168); box-shadow:4px 4px 4px 4px rgb(166, 151, 168) }
```

# Background

The CSS property to change the background color of an element to RYB 166, 151, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 151, 168) }
```

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

```
.background{ background-color: rgb(166,  
151, 168) }
```

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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