

# Converting Colors

`RYB(168, 161, 163)`

Have a look what the booklet for  
RYB(168, 161, 163) contains.

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# **Color**

**R<sub>Y</sub>B(168, 161, 163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8A1A3
RGB	168, 161, 163
RGB Percent	66%, 63%, 64%
CMY	0.3412, 0.3686, 0.3608
CMYK	0.00, 0.04, 0.03, 0.34
HSL	343°, 4%, 65%
HSV	343°, 4%, 66%
XYZ	35.5042, 36.4589, 39.8163
YIQ	163.3210, 3.5300, 2.1060

# Conversions

## Conversions Part 2

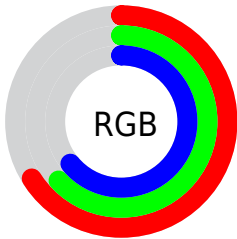
Format	Color
<a href="#">RYB</a>	<a href="#">168, 161, 163</a>
Decimal	<a href="#">11051427</a>
CIELab	<a href="#">66.87, 2.90, -0.14</a>
CIElCh	<a href="#">67, 2.904, 357.190</a>
Yxy	<a href="#">36.4589, 0.3176, 0.3262</a>
Android (android.graphics.Color)	<a href="#">4289241507</a> (0xFFA8A1A3)
YUV	<a href="#">163.3210, -0.1583, 4.1035</a>
Hunter-Lab	<a href="#">60.3812, -0.7091, 3.1701</a>

# Details

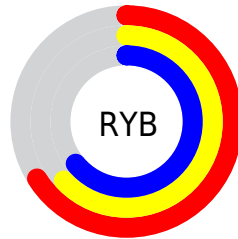
The RYB color **168, 161, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **161, 165, 168**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **223, 216, 218**, and **116, 110, 111** is the 20% darker color. If you saturate the color by 10%, you get **168, 144, 151**, and if you desaturate by 10%, it is **168, 174, 178**.

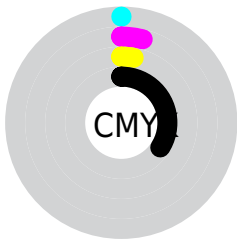
# Distribution



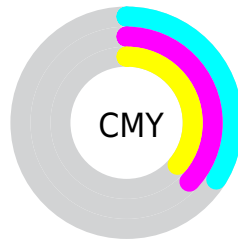
- Red (66%)
- Green (63%)
- Blue (64%)



- Red (66%)
- Yellow (63%)
- Blue (64%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (34%)



- Cyan (34%)
- Magenta (37%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 168, 161, 163 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 168, 161, 163 by changing the saturation by 10% instead.





 168, 161, 163

255, 255, 255

 223, 216, 218

 252, 244, 246

 168, 161, 163

 142, 135, 137

 116, 110, 111

 91, 85, 87


 68, 62, 64


 46, 40, 42

 25, 20, 21

 0, 0, 0

 168, 161, 163

 168, 144, 151

 168, 161, 163


 168, 174, 178

 168, 127, 139


 168, 184, 195

 168, 111, 127

 168, 193, 211

 168, 94, 115

 168, 203, 228

 168, 77, 103

 168, 213, 245

 168, 60, 91

 168, 217, 255

 168, 43, 79

 168, 214, 255

 168, 27, 67

 168, 212, 255

 168, 10, 55

# Harmonies

## Analogous

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



166, 161, 166



168, 161, 163



169, 161, 160

# Triad

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



168, 161, 163



158, 163, 159



157, 161, 167

# Complementary

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



168, 161, 163



161, 165, 168

# 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.



157, 161, 165



168, 161, 163



159, 163, 164

# Square

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



168, 161, 163



162, 165, 157



157, 161, 164



160, 162, 168

# Rectangle

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



168, 161, 163



168, 162, 159



157, 161, 164



157, 161, 166



# Sweetspot

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



168, 161, 163



219, 217, 218



166, 161, 168



110, 109, 109



237, 237, 237



110, 110, 110



# Same Dimension

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



168, 161, 163



219, 208, 211



168, 162, 161



84, 79, 81



148, 0, 42



20, 0, 6



# Inverse Universe

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



168, 161, 163



219, 208, 211



161, 164, 168



84, 79, 81



148, 0, 42



20, 0, 6



# Previews

## White Background



This preview shows how the RYB color 168, 161, 163 looks on a white background.

## Color Contrast Check

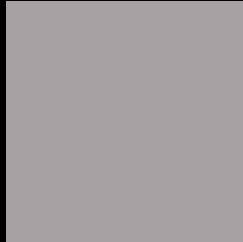
Large Text (above 18pt) WCAG AA × Fail

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 168, 161, 163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

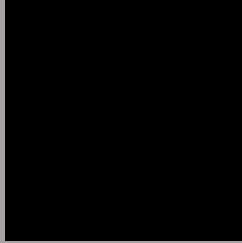
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

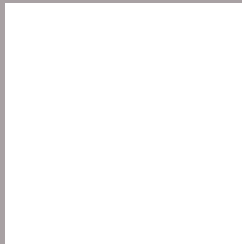
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 168, 161, 163 Background**



This preview shows how black text looks on a background with the RYB color 168, 161, 163.

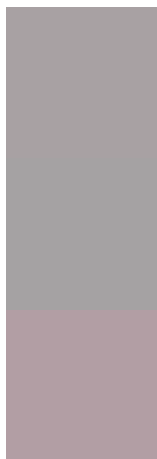


This preview shows how white text looks on a background with the RYB color 168, 161, 163.

# 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


168, 161, 163

### Protanopia

165, 162, 163

### Deuteranopia

178, 158, 164



**Tritanopia**  
169, 160, 172

# Trichromacy



## Original Color

168, 161, 163

## Protanomaly

166, 162, 163

## Deuteranomaly

174, 159, 164

## Tritanomaly

169, 160, 169

# Monochromacy



## Original Color

168, 161, 163

## Achromatopsia

163, 163, 163

## Achromatomaly

165, 162, 163

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 168, 161, 163 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(168, 161, 163) looks like.

```
.text, #text, p{  
    color:rgb(168, 161, 163)  
}
```

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(168, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 161, 163) }
```

## Border

The CSS property to change the border of an element to RYB 168, 161, 163 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(168, 161, 163) }
```

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

```
.border{ border-color:rgb(168, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(168, 161,  
163) }
```

# Background

The CSS property to change the background color of an element to RYB 168, 161, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 161, 163) }
```

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

```
.background{ background-color: rgb(168,  
161, 163) }
```

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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