

# Converting Colors

`RYB(171, 165, 173)`

Have a look what the booklet for  
RYB(171, 165, 173) contains.

<b>RYB(171, 165, 173)</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(171, 165, 173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABA5AD
RGB	171, 165, 173
RGB Percent	67%, 65%, 68%
CMY	0.3294, 0.3529, 0.3216
CMYK	0.01, 0.05, 0.00, 0.32
HSL	285°, 5%, 66%
HSV	285°, 5%, 68%
XYZ	37.7925, 38.5853, 44.9910
YIQ	167.7060, 1.0080, 3.7600

# Conversions

## Conversions Part 2

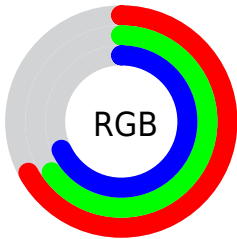
Format	Color
<a href="#">RYB</a>	<a href="#">171, 165, 173</a>
Decimal	<a href="#">11249069</a>
CIELab	<a href="#">68.45, 3.66, -3.36</a>
CIELCh	<a href="#">68, 4.972, 317.452</a>
Yxy	<a href="#">38.5853, 0.3114, 0.3179</a>
Android (android.graphics.Color)	<a href="#">4289439149</a> ( <a href="#">0xFFABA5AD</a> )
YUV	<a href="#">167.7060, 2.6099, 2.8888</a>
Hunter-Lab	<a href="#">62.1171, -0.1040, 0.5386</a>

# Details

The RYB color **171, 165, 173** is a light color, and the websafe version is hex **999999**. A complement of this color would be **165, 173, 171**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **226, 220, 228**, and **119, 113, 121** is the 20% darker color. If you saturate the color by 10%, you get **167, 148, 173**, and if you desaturate by 10%, it is **173, 182, 180**.

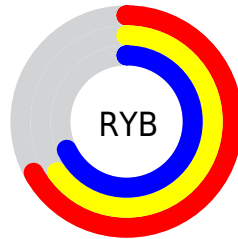
# Distribution



Red (67%)

Green (65%)

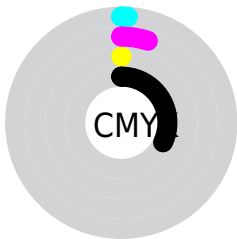
Blue (68%)



Red (67%)

Yellow (65%)

Blue (68%)

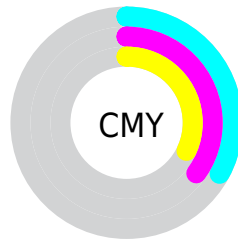


Cyan (1%)

Magenta (5%)

Yellow (0%)

Black (32%)



Cyan (33%)

Magenta (35%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 171, 165, 173 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 171, 165, 173 by changing the saturation by 10% instead.



■ 171, 165, 173

255, 255, 255

■ 226, 220, 228

■ 255, 248, 255

■ 171, 165, 173

■ 144, 139, 146

■ 119, 113, 121

■ 94, 89, 96

■ 71, 65, 72

■ 48, 43, 50

■ 27, 23, 29

■ 0, 0, 2

■ 0, 0, 0

■ 171, 165, 173

■ 171, 165, 173

167, 148, 173

173, 182, 180

162, 130, 173

173, 200, 193

158, 113, 173

173, 217, 206

154, 96, 173

173, 234, 219

149, 79, 173

173, 252, 232

145, 61, 173

173, 255, 231

141, 44, 173

173, 255, 227

136, 27, 173

173, 255, 222

132, 9, 173

173, 255, 218

# Harmonies

## Analogous

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



166, 166, 175



171, 165, 173



175, 164, 169

# Triad

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



171, 165, 173



171, 173, 158



156, 163, 170

# Complementary

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



171, 165, 173



165, 173, 171

# 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, 166, 170



171, 165, 173



159, 168, 158

# Square

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



171, 165, 173



176, 167, 160



161, 169, 167



157, 164, 173

# Rectangle

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



171, 165, 173



177, 164, 166



161, 169, 167



157, 164, 170



# Sweetspot

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



171, 165, 173



224, 222, 224



165, 167, 173



112, 111, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



171, 165, 173



221, 211, 224



173, 165, 171



85, 81, 87



113, 0, 150



17, 0, 23



# Inverse Universe

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



173, 165, 167



224, 211, 214



165, 171, 173



87, 81, 82



150, 0, 38



23, 0, 6



# Previews

## White Background



This preview shows how the RYB color 171, 165, 173 looks on a white background.

## Color Contrast Check

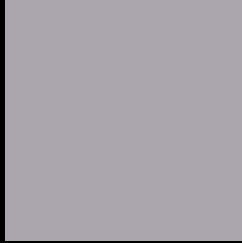
Large Text (above 18pt) WCAG AA × Fail

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 171, 165, 173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

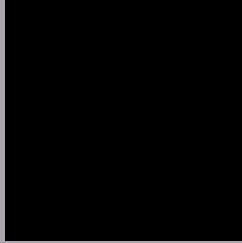
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

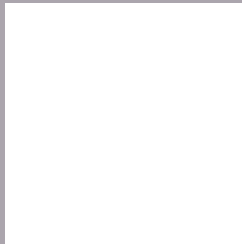
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 171, 165, 173 Background**



This preview shows how black text looks on a background with the RYB color 171, 165, 173.



This preview shows how white text looks on a background with the RYB color 171, 165, 173.

# 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**  
171, 165, 173

**Protanopia**  
168, 166, 174

**Deuteranopia**  
180, 162, 174



**Tritanopia**  
172, 164, 177

# Trichromacy



## Original Color

171, 165, 173

## Protanomaly

169, 166, 174

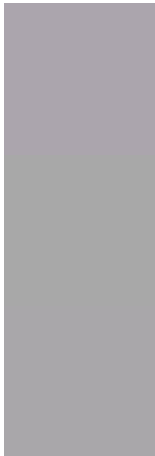
## Deuteranomaly

177, 163, 174

## Tritanomaly

172, 164, 176

# Monochromacy



## Original Color

171, 165, 173

## Achromatopsia

168, 168, 168

## Achromatomaly

169, 167, 170

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 171, 165, 173 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(171, 165, 173) looks like.

```
.text, #text, p{  
    color:rgb(171, 165, 173)  
}
```

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(171, 165, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 165, 173) }
```

## Border

The CSS property to change the border of an element to RYB 171, 165, 173 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(171, 165, 173) }
```

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

```
.border{ border-color:rgb(171, 165, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 165, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 165, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 165, 173);  
box-shadow:4px 4px 4px 4px rgb(171, 165,  
173) }
```

# Background

The CSS property to change the background color of an element to RYB 171, 165, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 165, 173) }
```

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

```
.background{ background-color: rgb(171,  
165, 173) }
```

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