

# Converting Colors

`RYB(165, 167, 170)`

Have a look what the booklet for RYB(165, 167, 170) contains.

- RYB(165, 167, 170)** ..... 3
  - Conversions*** ..... 4
  - Details*** ..... 6
  - Harmonies*** ..... 11
  - Previews*** ..... 23
  - Color Blindness Simulation*** ..... 26
  - CSS Examples*** ..... 29

# Color

**`RYB(165, 167, 170)`**

# Conversions

Conversions Part 1	
Format	Color
Hex	A5A8AA
RGB	165, 168, 170
RGB Percent	65%, 66%, 67%
CMY	0.3529, 0.3399, 0.3333
CMYK	0.03, 0.01, 0.00, 0.33
HSL	200°, 3%, 66%
HSV	200°, 3%, 67%
XYZ	36.8370, 39.0301, 43.6223
YIQ	167.3310, -2.4300, -0.0140

# Conversions

## Conversions Part 2

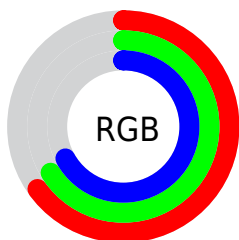
Format	Color
<a href="#">RYB</a>	<a href="#">165, 167, 170</a>
Decimal	<a href="#">10856618</a>
CIELab	<a href="#">68.77, -0.86, -1.28</a>
CIELCh	<a href="#">69, 1.538, 236.214</a>
Yxy	<a href="#">39.0301, 0.3083, 0.3266</a>
Android (android.graphics.Color)	<a href="#">4289046698</a> (0xFFA5A8AA)
YUV	<a href="#">167.3310, 1.3158, -2.0443</a>
Hunter-Lab	<a href="#">62.4741, -4.0795, 2.3329</a>

# Details

The RYB color **165, 167, 170** is a light color, and the websafe version is hex **999999**. A complement of this color would be **170, 168, 165**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **220, 222, 225**, and **113, 115, 118** is the 20% darker color. If you saturate the color by 10%, you get **148, 157, 170**, and if you desaturate by 10%, it is **182, 176, 170**.

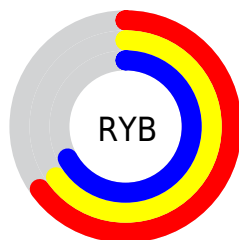
# Distribution



Red (65%)

Green (66%)

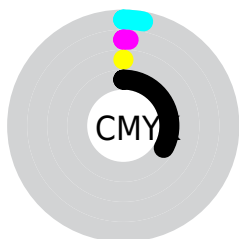
Blue (67%)



Red (65%)

Yellow (65%)

Blue (67%)

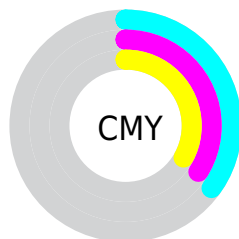


Cyan (3%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (34%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 165, 167, 170 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 165, 167, 170 by changing the saturation by 10% instead.



 165, 167, 170

255, 255, 255

 220, 222, 225

 248, 250, 254

 165, 167, 170

 139, 141, 144

 113, 115, 118

 89, 91, 93

 65, 67, 70

 43, 45, 47

 23, 24, 27


 0, 0, 0

 165, 167, 170

 148, 157, 170

 165, 167, 170


 182, 176, 170

 131, 147, 170


 199, 185, 170

 114, 136, 170

 216, 192, 170

 97, 126, 170

 233, 202, 170

 80, 116, 170

 250, 211, 170

 63, 106, 170

 255, 221, 170

 46, 96, 170

 255, 239, 170

 29, 85, 170

 249, 255, 170

 12, 75, 170

 232, 255, 170

# Harmonies

## Analogous

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



165, 167, 169



165, 167, 170



166, 167, 170

# Triad

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



165, 167, 170



171, 167, 168



165, 168, 165

# Complementary

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



165, 167, 170



170, 168, 165

# 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.



166, 169, 165



165, 167, 170



171, 167, 167

# Square

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



165, 167, 170



169, 167, 169



170, 168, 165



166, 168, 168

# Rectangle

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



165, 167, 170



167, 168, 170



170, 168, 165



165, 168, 165



# Sweetspot

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



165, 167, 170



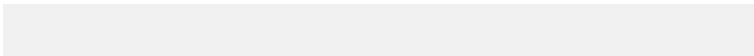
220, 221, 222



165, 169, 170



111, 112, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



165, 167, 170



213, 217, 222



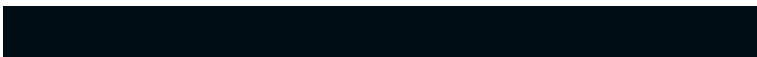
165, 166, 170



80, 82, 84



0, 59, 148



0, 8, 20



# Inverse Universe

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



170, 165, 168



222, 213, 219



166, 170, 165



84, 80, 83



148, 0, 99



20, 0, 14



# Previews

## White Background



This preview shows how the RYB color 165, 167, 170 looks on a white background.

## Color Contrast Check

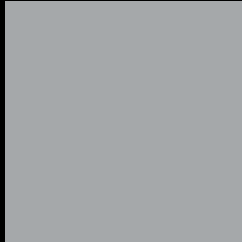
Large Text (above 18pt) WCAG AA × Fail

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 165, 167, 170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

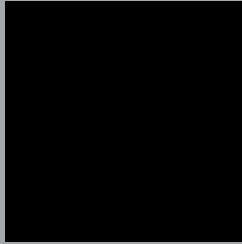
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

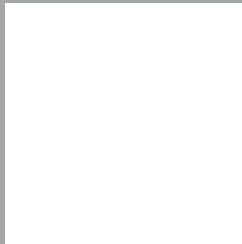
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 165, 167, 170 Background**



This preview shows how black text looks on a background with the RYB color 165, 167, 170.

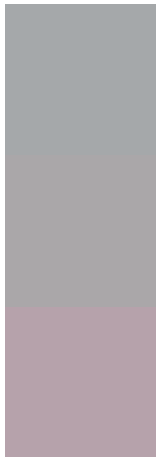


This preview shows how white text looks on a background with the RYB color 165, 167, 170.

# 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**

165, 167, 170

**Protanopia**

170, 167, 169

**Deuteranopia**

182, 162, 171



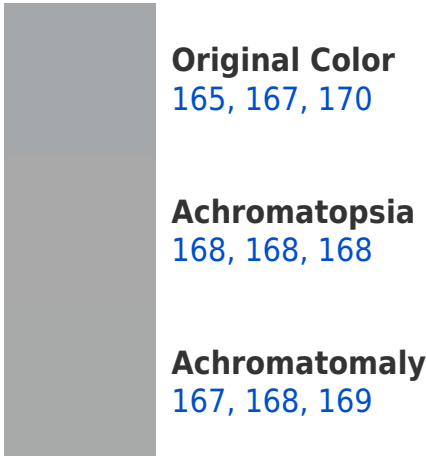
## Tritanopia

167, 167, 180

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 165, 167, 170 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(165, 168, 170) looks like.

```
.text, #text, p{  
    color:rgb(165, 168, 170)  
}
```

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(165, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 168, 170) }
```

## Border

The CSS property to change the border of an element to RYB 165, 167, 170 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(165, 168, 170) }
```

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

```
.border{ border-color:rgb(165, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 168, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 168, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 168,  
170) }
```

# Background

The CSS property to change the background color of an element to RGB 165, 167, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 168, 170) }
```

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

```
.background{ background-color: rgb(165,  
168, 170) }
```

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