

# Converting Colors

`RYB(165, 166, 166)`

Have a look what the booklet for  
RYB(165, 166, 166) contains.

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# **Color**

**R<sub>Y</sub>B(165, 166, 166)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | A5A6A5                     |
| RGB         | 165, 166, 165              |
| RGB Percent | 65%, 65%, 65%              |
| CMY         | 0.3529, 0.3490, 0.3529     |
| CMYK        | 0.01, 0.00, 0.01, 0.35     |
| HSL         | 120°, 1%, 65%              |
| HSV         | 120°, 1%, 65%              |
| XYZ         | 35.9448, 37.9884, 41.0353  |
| YIQ         | 165.5870, -0.2750, -0.5230 |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">165, 166, 166</a>                                |
| Decimal                             | <a href="#">10856101</a>                                     |
| CIELab                              | <a href="#">68.01, -0.54, 0.38</a>                           |
| CIELCh                              | <a href="#">68, 0.664, 144.747</a>                           |
| Yxy                                 | <a href="#">37.9884, 0.3126, 0.3304</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4289046181</a><br>( <a href="#">0xFFA5A6A5</a> ) |
| YUV                                 | <a href="#">165.5870, -0.2894, -0.5148</a>                   |
| Hunter-Lab                          | <a href="#">61.6347, -3.7612, 3.6701</a>                     |

# Details

The RYB color **165, 166, 166** is a light color, and the websafe version is hex **999999**. A complement of this color would be **166, 165, 166**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **220, 221, 221**, and **113, 114, 114** is the 20% darker color. If you saturate the color by 10%, you get **148, 166, 166**, and if you desaturate by 10%, it is **182, 166, 182**.

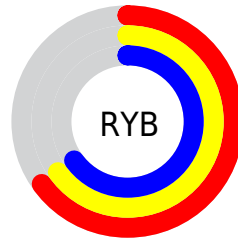
# Distribution



Red (65%)

Green (65%)

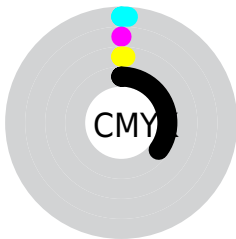
Blue (65%)



Red (65%)

Yellow (65%)

Blue (65%)

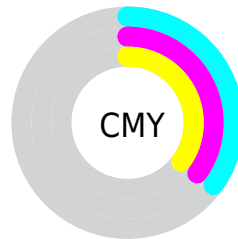


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 165, 166, 166 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, 166, 166 by changing the saturation by 10% instead.



 165, 166, 166

255, 255, 255

 220, 221, 221

 248, 250, 250

 165, 166, 166

 139, 140, 140

 113, 114, 114

 89, 90, 90

 65, 66, 66


 43, 44, 44


 23, 24, 24


 0, 0, 0

 165, 166, 166

 148, 166, 166

 165, 166, 166


 182, 166, 182


 132, 166, 166


 198, 166, 198


 115, 166, 166


 215, 166, 215

 99, 166, 166


 231, 166, 231


 82, 166, 166


 248, 166, 248

 65, 166, 166

 255, 166, 255

 49, 166, 166

 32, 166, 166

 16, 166, 166

# Harmonies

## Analogous

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



165, 166, 165



165, 166, 166



164, 165, 166

# Triad

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



165, 166, 166



165, 166, 167



167, 165, 165

# Complementary

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



165, 166, 166



166, 165, 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.



167, 165, 166



165, 166, 166



166, 166, 167

# Square

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



165, 166, 166



165, 166, 167



166, 165, 166



167, 165, 165

# Rectangle

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



165, 166, 166



164, 165, 166



166, 165, 166



167, 165, 165



# Sweetspot

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



165, 166, 166



217, 217, 217



165, 166, 165



110, 110, 110



237, 237, 237

# Same Dimension

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



165, 166, 166



215, 217, 217



83, 84, 84



0, 148, 148



0, 20, 20

# Inverse Universe

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



166, 165, 166



217, 215, 217



166, 165, 165



84, 83, 84



148, 0, 148

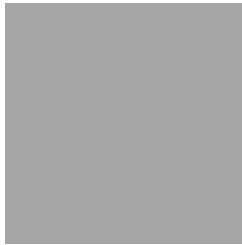


20, 0, 20



# Previews

## White Background



This preview shows how the RYB color 165, 166, 166 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, 166, 166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

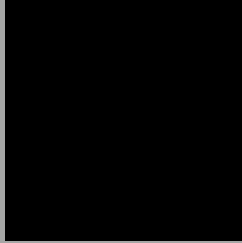
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

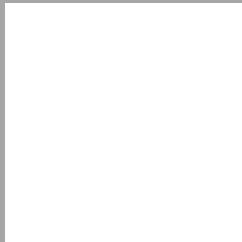
Any Text WCAG AAA ✓ Pass

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

## R Y B 165, 166, 166 Background



This preview shows how black text looks on a background with the R Y B color 165, 166, 166.



This preview shows how white text looks on a background with the R Y B color 165, 166, 166.

# 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, 166, 166

**Protanopia**

169, 165, 164

**Deuteranopia**

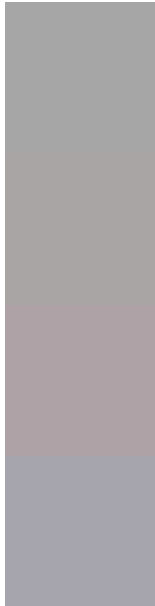
181, 160, 166





**Tritanopia**  
167, 164, 177

# Trichromacy



## Original Color

165, 166, 166

## Protanomaly

168, 165, 164

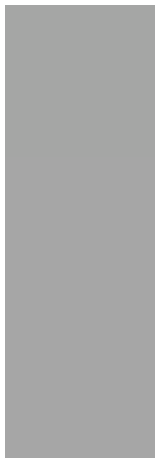
## Deuteranomaly

175, 162, 166

## Tritanomaly

166, 165, 173

# Monochromacy



## Original Color

165, 166, 166

## Achromatopsia

166, 166, 166

## Achromatomaly

166, 166, 166

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 165, 166, 166 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, 166, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 165)  
}
```

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, 166, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 165) }
```

## Border

The CSS property to change the border of an element to RYB 165, 166, 166 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, 166, 165) }
```

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

```
.border{ border-color:rgb(165, 166, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
165) }
```

# Background

The CSS property to change the background color of an element to RYB 165, 166, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 165) }
```

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

```
.background{ background-color: rgb(165,  
166, 165) }
```

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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