

# Converting Colors

`RYB(159, 166, 165)`

Have a look what the booklet for  
RYB(159, 166, 165) contains.

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# **Color**

**R<sub>Y</sub>B(159, 166, 165)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | A0A69F                     |
| RGB         | 160, 166, 159              |
| RGB Percent | 63%, 65%, 62%              |
| CMY         | 0.3725, 0.3490, 0.3765     |
| CMYK        | 0.04, 0.00, 0.04, 0.35     |
| HSL         | 111°, 4%, 64%              |
| HSV         | 111°, 4%, 65%              |
| XYZ         | 34.3914, 37.2492, 38.1781  |
| YIQ         | 163.4080, -1.3290, -3.4490 |

# Conversions

## Conversions Part 2

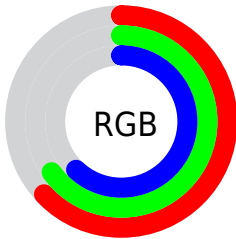
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">159, 166, 165</a>                                |
| Decimal                             | <a href="#">10528415</a>                                     |
| CIELab                              | <a href="#">67.46, -3.46, 2.87</a>                           |
| CIELCh                              | <a href="#">67, 4.499, 140.340</a>                           |
| Yxy                                 | <a href="#">37.2492, 0.3132, 0.3392</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4288718495</a><br>( <a href="#">0xFFA0A69F</a> ) |
| YUV                                 | <a href="#">163.4080, -2.1731, -2.9888</a>                   |
| Hunter-Lab                          | <a href="#">61.0321, -6.2220, 5.6342</a>                     |

# Details

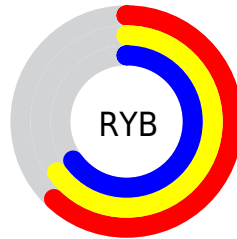
The RYB color **159, 166, 165** is a light color, and the websafe version is hex **999999**. A complement of this color would be **165, 159, 166**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **214, 221, 220**, and **108, 114, 113** is the 20% darker color. If you saturate the color by 10%, you get **142, 166, 162**, and if you desaturate by 10%, it is **174, 166, 176**.

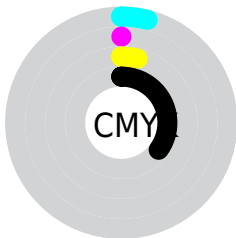
# Distribution



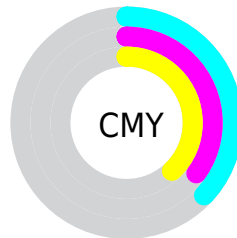
- Red (63%)
- Green (65%)
- Blue (62%)



- Red (62%)
- Yellow (65%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)



- Cyan (37%)
- Magenta (35%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 159, 166, 165 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 159, 166, 165 by changing the saturation by 10% instead.





 159, 166, 165


255, 255, 255

 214, 221, 220

 242, 250, 249

 159, 166, 165

 133, 140, 139

 108, 114, 113

 83, 90, 89


 60, 66, 65


 39, 44, 44


 18, 24, 23

 0, 0, 0

 159, 166, 165


 142, 166, 162


 159, 166, 165


 174, 166, 176

 126, 166, 160


 188, 166, 192


 109, 166, 158


 203, 166, 209

 93, 166, 156

 217, 166, 225

 76, 166, 153


 231, 166, 242


 59, 166, 150

 245, 166, 255

 43, 166, 149

 255, 166, 255

 26, 166, 146

 10, 166, 144

# Harmonies

## Analogous

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



157, 165, 157



159, 166, 165



156, 163, 167

# Triad

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



159, 166, 165



159, 163, 172



173, 162, 162

# Complementary

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



159, 166, 165



165, 159, 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.



172, 162, 166



159, 166, 165



164, 164, 172

# Square

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



159, 166, 165



156, 162, 170



168, 162, 169



172, 164, 158

# Rectangle

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



159, 166, 165



155, 161, 167



168, 162, 169



173, 162, 163



# Sweetspot

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



159, 166, 165



215, 217, 217



160, 166, 159



109, 110, 110



237, 237, 237



110, 110, 110



# Same Dimension

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



159, 166, 165



206, 217, 216



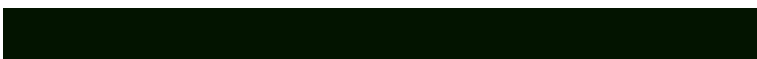
159, 164, 166



79, 84, 83



0, 148, 127



0, 20, 17



# Inverse Universe

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



165, 159, 166



215, 206, 217



166, 159, 164



83, 79, 84



127, 0, 148



17, 0, 20



# Previews

## White Background



This preview shows how the RYB color 159, 166, 165 looks on a white background.

## Color Contrast Check

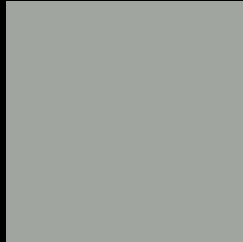
Large Text (above 18pt) WCAG AA × Fail

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 159, 166, 165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

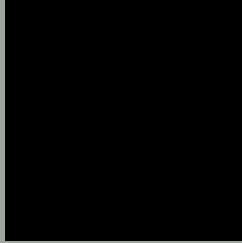
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

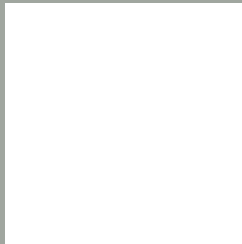
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 159, 166, 165 Background**



This preview shows how black text looks on a background with the RYB color 159, 166, 165.



This preview shows how white text looks on a background with the RYB color 159, 166, 165.

# 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**


159, 166, 165

**Protanopia**

169, 167, 158

**Deuteranopia**

181, 159, 160



# Tritanopia

163, 163, 176

# Trichromacy



## Original Color

159, 166, 165

## Protanomaly

161, 166, 158

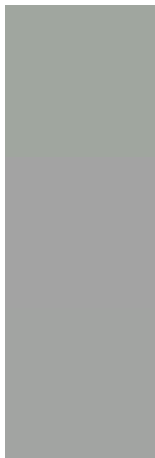
## Deuteranomaly

173, 162, 160

## Tritanomaly

162, 164, 170

# Monochromacy



## Original Color

159, 166, 165

## Achromatopsia

163, 163, 163

## Achromatomaly

162, 164, 164

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 159, 166, 165 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(160, 166, 159) looks like.

```
.text, #text, p{  
    color:rgb(160, 166, 159)  
}
```

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(160, 166, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 166, 159) }
```

## Border

The CSS property to change the border of an element to RYB 159, 166, 165 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(160, 166, 159) }
```

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

```
.border{ border-color:rgb(160, 166, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 166, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 166, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 166, 159);  
box-shadow:4px 4px 4px 4px rgb(160, 166,  
159) }
```

# Background

The CSS property to change the background color of an element to RYB 159, 166, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 166, 159) }
```

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

```
.background{ background-color: rgb(160,  
166, 159) }
```

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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