

# Converting Colors

`RYB(156, 154, 155)`

Have a look what the booklet for  
RYB(156, 154, 155) contains.

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# Color

**R<sub>Y</sub>B(156, 154, 155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C9A9B
RGB	156, 154, 155
RGB Percent	61%, 60%, 61%
CMY	0.3882, 0.3961, 0.3922
CMYK	0.00, 0.01, 0.01, 0.39
HSL	330°, 1%, 61%
HSV	330°, 1%, 61%
XYZ	31.1823, 32.5457, 35.6488
YIQ	154.7120, 0.8710, 0.7350

# Conversions

## Conversions Part 2

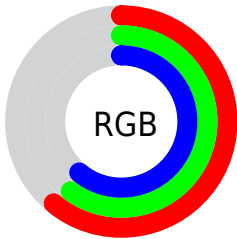
Format	Color
<a href="#">RYB</a>	<a href="#">156, 154, 155</a>
Decimal	<a href="#">10263195</a>
CIELab	<a href="#">63.79, 0.92, -0.27</a>
CIElCh	<a href="#">64, 0.959, 343.401</a>
Yxy	<a href="#">32.5457, 0.3138, 0.3275</a>
Android (android.graphics.Color)	<a href="#">4288453275</a> (0xFF9C9A9B)
YUV	<a href="#">154.7120, 0.1420, 1.1296</a>
Hunter-Lab	<a href="#">57.0488, -2.2692, 2.8849</a>

# Details

The RYB color **156, 154, 155** is a light color, and the websafe version is hex **999999**. A complement of this color would be **154, 155, 156**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **210, 208, 209**, and **105, 103, 104** is the 20% darker color. If you saturate the color by 10%, you get **156, 138, 147**, and if you desaturate by 10%, it is **156, 165, 170**.

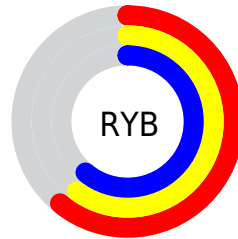
# Distribution



Red (61%)

Green (60%)

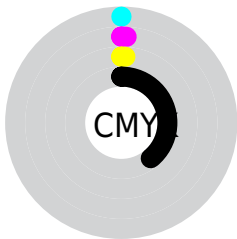
Blue (61%)



Red (61%)

Yellow (60%)

Blue (61%)

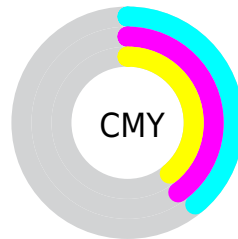


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (39%)



Cyan (39%)

Magenta (40%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 156, 154, 155 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 156, 154, 155 by changing the saturation by 10% instead.



 156, 154, 155


255, 255, 255


 210, 208, 209


 239, 237, 238

 156, 154, 155

 130, 128, 129

 105, 103, 104

 81, 79, 80

 58, 56, 57

 36, 35, 36

 15, 13, 14

 0, 0, 0

 156, 154, 155


 156, 138, 147

 156, 154, 155

 156, 165, 170

 156, 123, 139


 156, 175, 185

 156, 107, 132


 156, 186, 201

 156, 92, 124

 156, 196, 216

 156, 76, 116

 156, 207, 232

 156, 60, 108

 156, 217, 248

 156, 45, 100

 156, 220, 255

 156, 29, 93

 156, 217, 255

 156, 14, 85

 156, 214, 255

# Harmonies

## Analogous

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



155, 154, 156



156, 154, 155



156, 154, 154

# Triad

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



156, 154, 155



153, 155, 153



153, 154, 156

# Complementary

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



156, 154, 155



154, 155, 156

# 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.



153, 154, 155



156, 154, 155



153, 155, 154

# Square

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



156, 154, 155



156, 155, 153



153, 154, 155



153, 154, 156

# Rectangle

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



156, 154, 155



156, 154, 154



153, 154, 155



153, 154, 155



# Sweetspot

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



156, 154, 155



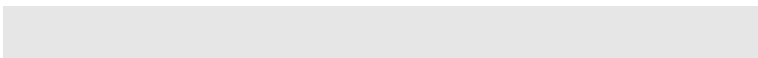
204, 204, 204



155, 154, 156



102, 102, 102



230, 230, 230

# Same Dimension

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



156, 154, 155



204, 200, 202



156, 154, 154



79, 77, 78



143, 0, 71



15, 0, 8



# Inverse Universe

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



156, 154, 155



204, 200, 202



154, 155, 156



79, 77, 78



143, 0, 71



15, 0, 8



# Previews

## White Background



This preview shows how the RYB color 156, 154, 155 looks on a white background.

## Color Contrast Check

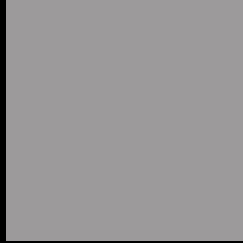
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 156, 154, 155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

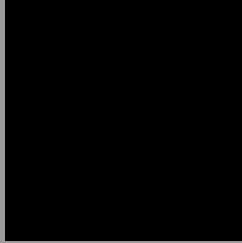
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

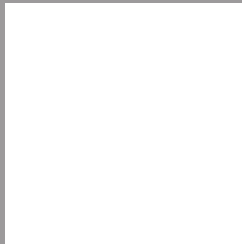
Any Text WCAG AAA ✓ Pass

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

## **RYB 156, 154, 155 Background**



This preview shows how black text looks on a background with the RYB color 156, 154, 155.



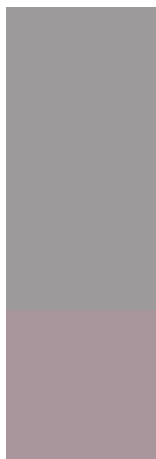
This preview shows how white text looks on a background with the RYB color 156, 154, 155.



# 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

156, 154, 155

### Protanopia

157, 154, 155

### Deuteranopia

169, 150, 156



**Tritanopia**  
157, 153, 165

# Trichromacy



## Original Color

156, 154, 155

## Protanomaly

157, 154, 155

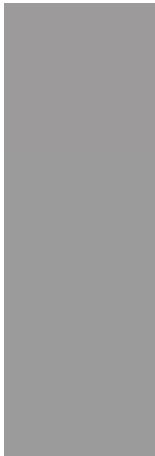
## Deuteranomaly

164, 151, 156

## Tritanomaly

157, 153, 161

# Monochromacy



## Original Color

156, 154, 155

## Achromatopsia

155, 155, 155

## Achromatomaly

155, 155, 155

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 156, 154, 155 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(156, 154, 155) looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 155)  
}
```

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(156, 154, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 155) }
```

## Border

The CSS property to change the border of an element to RYB 156, 154, 155 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(156, 154, 155) }
```

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

```
.border{ border-color:rgb(156, 154, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 155);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
155) }
```

# Background

The CSS property to change the background color of an element to RYB 156, 154, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 155) }
```

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

```
.background{ background-color: rgb(156,  
154, 155) }
```

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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