

# Converting Colors

`RYB(161, 154, 151)`

Have a look what the booklet for  
RYB(161, 154, 151) contains.

<b>RYB(161, 154, 151)</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(161, 154, 151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A19997
RGB	161, 153, 151
RGB Percent	63%, 60%, 59%
CMY	0.3686, 0.3988, 0.4078
CMYK	0.00, 0.05, 0.06, 0.37
HSL	14°, 5%, 61%
HSV	14°, 6%, 63%
XYZ	31.7255, 32.6948, 33.9168
YIQ	155.1640, 5.4100, 1.0740

# Conversions

## Conversions Part 2

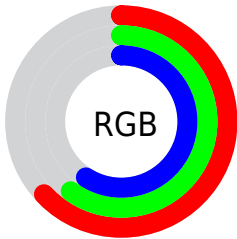
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 154, 151</a>
Decimal	<a href="#">10590615</a>
CIELab	<a href="#">63.91, 2.39, 2.21</a>
CIElCh	<a href="#">64, 3.249, 42.753</a>
Yxy	<a href="#">32.6948, 0.3226, 0.3325</a>
Android (android.graphics.Color)	<a href="#">4288780695</a> ( <a href="#">0xFFA19997</a> )
YUV	<a href="#">155.1640, -2.0529, 5.1182</a>
Hunter-Lab	<a href="#">57.1793, -1.0244, 4.8568</a>

# Details

The RYB color **161, 154, 151** is a light color, and the websafe version is hex **999999**. A complement of this color would be **151, 155, 161**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **216, 207, 205**, and **109, 103, 100** is the 20% darker color. If you saturate the color by 10%, you get **161, 143, 135**, and if you desaturate by 10%, it is **161, 164, 167**.

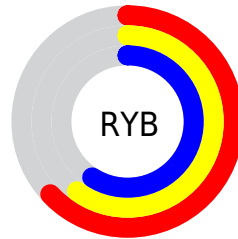
# Distribution



Red (63%)

Green (60%)

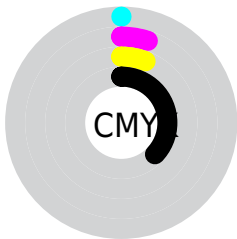
Blue (59%)



Red (63%)

Yellow (60%)

Blue (59%)

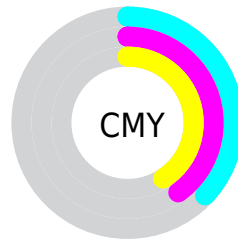


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (37%)



Cyan (37%)

Magenta (40%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 161, 154, 151 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 161, 154, 151 by changing the saturation by 10% instead.





 161, 154, 151

255, 255, 255

 216, 209, 205


 244, 237, 233

 161, 154, 151


 135, 128, 125

 109, 103, 100


 85, 79, 76


 62, 57, 54


 40, 35, 32


 20, 13, 9


 0, 0, 0


 161, 154, 151


 161, 143, 135


 161, 154, 151


 161, 164, 167


 161, 132, 119

 161, 171, 183


 161, 120, 103

 161, 177, 199


 161, 109, 87

 161, 185, 215


 161, 97, 71


 161, 192, 232


 161, 87, 54


 161, 199, 248


 161, 76, 38

 161, 204, 255

 161, 64, 22

 161, 207, 255

 161, 53, 6

 161, 208, 255

# Harmonies

## Analogous

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



161, 153, 154



161, 154, 151



159, 159, 149

# Triad

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



161, 154, 151



150, 154, 156



153, 155, 160

# Complementary

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



161, 154, 151



151, 155, 161

# 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.



150, 154, 160



161, 154, 151



148, 153, 157

# Square

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



161, 154, 151



151, 156, 154



148, 153, 159



157, 154, 159

# Rectangle

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



161, 154, 151



152, 157, 149



148, 153, 159



152, 154, 161



# Sweetspot

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



161, 154, 151



209, 206, 205



161, 151, 159



105, 104, 102



232, 232, 232



105, 105, 105



# Same Dimension

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



161, 154, 151



209, 199, 194



155, 161, 151



82, 78, 75



145, 44, 0



18, 5, 0



# Inverse Universe

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



151, 155, 161



194, 201, 209



151, 153, 161



75, 78, 82



0, 63, 145



0, 8, 18



# Previews

## White Background



This preview shows how the RYB color 161, 154, 151 looks on a white background.

## Color Contrast Check

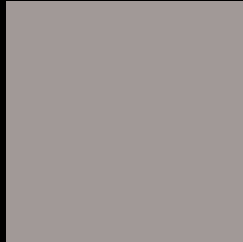
Large Text (above 18pt) WCAG AA × Fail

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 161, 154, 151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

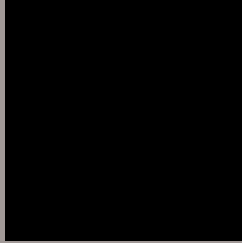
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 161, 154, 151 Background**



This preview shows how black text looks on a background with the RYB color 161, 154, 151.



This preview shows how white text looks on a background with the RYB color 161, 154, 151.

# 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**

161, 154, 151

**Protanopia**

158, 156, 151

**Deuteranopia**

171, 150, 152



**Tritanopia**  
163, 151, 163

# Trichromacy



**Original Color**

161, 154, 151

**Protanomaly**

159, 156, 151

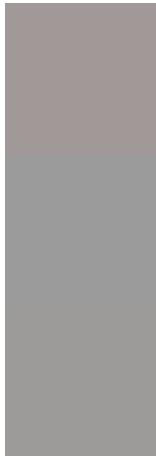
**Deuteranomaly**

167, 151, 152

**Tritanomaly**

162, 152, 159

# Monochromacy



**Original Color**

161, 154, 151

**Achromatopsia**

155, 155, 155

**Achromatomaly**

157, 154, 154

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 161, 154, 151 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(161, 153, 151) looks like.

```
.text, #text, p{  
    color:rgb(161, 153, 151)  
}
```

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(161, 153, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 153, 151) }
```

## Border

The CSS property to change the border of an element to RYB 161, 154, 151 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(161, 153, 151) }
```

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

```
.border{ border-color:rgb(161, 153, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 153, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(161, 153,  
151) }
```

# Background

The CSS property to change the background color of an element to RYB 161, 154, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 153, 151) }
```

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

```
.background{ background-color: rgb(161,  
153, 151) }
```

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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