

# Converting Colors

`RYB(161, 179, 163)`

Have a look what the booklet for  
RYB(161, 179, 163) contains.

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# **Color**

**R<sub>Y</sub>B(161, 179, 163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B3A1
RGB	177, 179, 161
RGB Percent	69%, 70%, 63%
CMY	0.3059, 0.2980, 0.3686
CMYK	0.01, 0.00, 0.10, 0.30
HSL	67°, 11%, 67%
HSV	67°, 10%, 70%
XYZ	40.6846, 44.1605, 40.0977
YIQ	176.3500, 4.5860, -6.0220

# Conversions

## Conversions Part 2

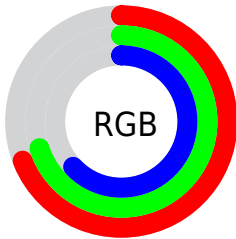
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 179, 163
Decimal	11645857
CIELab	72.34, -3.94, 8.95
CIELCh	72, 9.775, 113.753
Yxy	44.1605, 0.3256, 0.3534
Android (android.graphics.Color)	4289835937 (0xFFB1B3A1)
YUV	176.3500, -7.5675, 0.5701
Hunter-Lab	66.4534, -7.0108, 10.7420

# Details

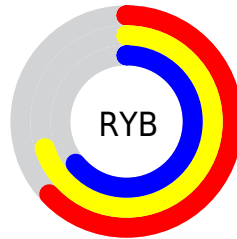
The RYB color **161, 179, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 161, 179**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **216, 235, 218**, and **109, 126, 111** is the 20% darker color. If you saturate the color by 10%, you get **143, 179, 147**, and if you desaturate by 10%, it is **179, 179, 179**.

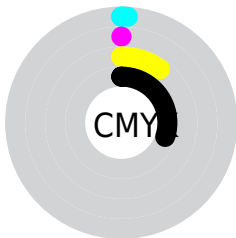
# Distribution



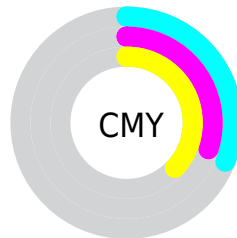
- Red (69%)
- Green (70%)
- Blue (63%)



- Red (63%)
- Yellow (70%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)




- Cyan (31%)
- Magenta (30%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 161, 179, 163 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, 179, 163 by changing the saturation by 10% instead.





 161, 179, 163

255, 255, 255


 216, 235, 218

 244, 255, 244

 161, 179, 163

 135, 152, 137

 109, 126, 111

 85, 101, 87

 62, 77, 64


 40, 55, 42

 20, 33, 22

 0, 11, 8

 0, 0, 0

 161, 179, 163

 161, 179, 163

■ 143, 179, 147

■ 179, 179, 179

■ 125, 179, 131

■ 181, 179, 197

■ 107, 179, 115

■ 183, 179, 215

■ 89, 179, 99

■ 185, 179, 233

■ 72, 179, 84

■ 187, 179, 251

■ 54, 179, 68

■ 189, 179, 255

■ 36, 179, 52

■ 191, 179, 255

■ 18, 179, 36

■ 193, 179, 255

■ 0, 179, 20

■ 195, 179, 255

# Harmonies

## Analogous

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



179, 187, 160



161, 179, 163



167, 181, 181

# Triad

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



161, 179, 163



158, 172, 191



195, 172, 180

# Complementary

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



161, 179, 163



163, 161, 179

# 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.



187, 173, 188



161, 179, 163



166, 175, 195

# Square

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



161, 179, 163



155, 169, 184



177, 176, 194



197, 172, 171

# Rectangle

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



161, 179, 163



161, 175, 182



177, 176, 194



193, 172, 183



# Sweetspot

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



161, 179, 163



225, 232, 226



179, 163, 161



113, 117, 113



245, 245, 245



117, 117, 117



# Same Dimension

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



161, 179, 163



204, 232, 207



161, 179, 172



80, 89, 81



0, 153, 17



0, 26, 3



# Inverse Universe

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



163, 161, 179



207, 204, 232



172, 161, 179



81, 80, 89



17, 0, 153



3, 0, 26



# Previews

## White Background



This preview shows how the RYB color 161, 179, 163 looks on a white background.

## Color Contrast Check

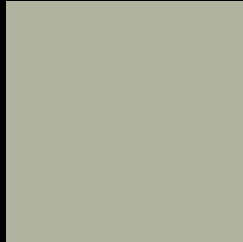
Large Text (above 18pt) WCAG AA × Fail

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, 179, 163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

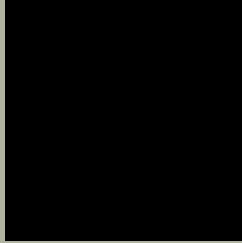
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

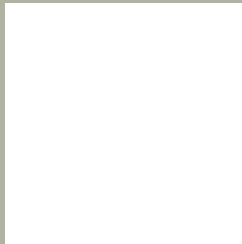
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 161, 179, 163 Background



This preview shows how black text looks on a background with the RYB color 161, 179, 163.



This preview shows how white text looks on a background with the RYB color 161, 179, 163.

# 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





# Tritanopia

181, 175, 189

# Trichromacy



**Original Color**

161, 179, 163

**Protanomaly**

165, 182, 160

**Deuteranomaly**

192, 182, 162

**Tritanomaly**

180, 176, 179

# Monochromacy



**Original Color**

161, 179, 163

**Achromatopsia**

176, 176, 176

**Achromatomaly**

171, 177, 172

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 161, 179, 163 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(177, 179, 161) looks like.

```
.text, #text, p{  
    color:rgb(177, 179, 161)  
}
```

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(177, 179, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 179, 161) }
```

## Border

The CSS property to change the border of an element to RYB 161, 179, 163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

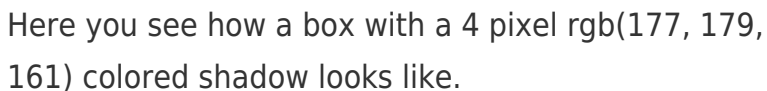
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 179, 161) }
```

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

```
.border{ border-color:rgb(177, 179, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 179, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 179, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 179, 161); box-shadow:4px 4px 4px 4px rgb(177, 179, 161) }
```

# Background

The CSS property to change the background color of an element to RYB 161, 179, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 179, 161) }
```

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

```
.background{ background-color: rgb(177,  
179, 161) }
```

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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