

Converting Colors

`RYB(178, 161, 163)`

Have a look what the booklet for
RYB(178, 161, 163) contains.

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Color

$\text{RYB}(178, 161, 163)$

Conversions

Conversions Part 1

Format	Color
Hex	B2A1A3
RGB	178, 161, 163
RGB Percent	70%, 63%, 64%
CMY	0.3020, 0.3686, 0.3608
CMYK	0.00, 0.10, 0.08, 0.30
HSL	353°, 10%, 66%
HSV	353°, 10%, 70%
XYZ	37.7158, 37.5991, 39.9198
YIQ	166.3110, 9.4900, 4.2260

Conversions

Conversions Part 2

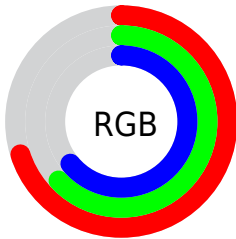
Format	Color
RYB	178, 161, 163
Decimal	11706787
CIELab	67.72, 6.54, 1.21
CIElCh	68, 6.653, 10.461
Yxy	37.5991, 0.3273, 0.3263
Android (android.graphics.Color)	4289896867 (0xFFB2A1A3)
YUV	166.3110, -1.6323, 10.2513
Hunter-Lab	61.3181, 2.4860, 4.3231

Details

The RYB color **178, 161, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **161, 170, 178**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **234, 216, 218**, and **125, 109, 111** is the 20% darker color. If you saturate the color by 10%, you get **178, 143, 147**, and if you desaturate by 10%, it is **178, 179, 179**.

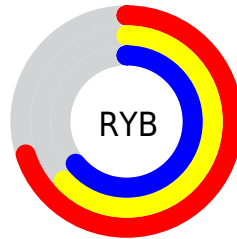
Distribution



Red (70%)

Green (63%)

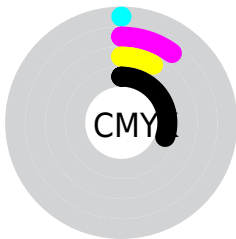
Blue (64%)



Red (70%)

Yellow (63%)

Blue (64%)

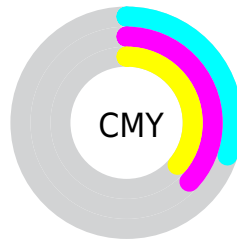


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (30%)



Cyan (30%)

Magenta (37%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 161, 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 178, 161, 163 by changing the saturation by 10% instead.


 178, 161, 163


255, 255, 255

 234, 216, 218

 255, 244, 246

 178, 161, 163

 151, 135, 137

 125, 109, 111

 100, 85, 87

 76, 62, 64

 53, 40, 42

 32, 20, 21

 0, 0, 0

 178, 161, 163


 178, 143, 147


 178, 161, 163

 178, 179, 179

 178, 125, 132

 178, 188, 197

 178, 108, 116

 178, 197, 214

 178, 90, 100

 178, 207, 232

 178, 72, 84

 178, 216, 250

 178, 54, 69

 178, 217, 255

 178, 36, 53

 178, 19, 37

 178, 1, 22

Harmonies

Analogous

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



175, 161, 169



178, 161, 163



178, 164, 157

Triad

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



178, 161, 163



156, 167, 162



155, 163, 176

Complementary

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



178, 161, 163



161, 170, 178

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.



151, 160, 172



178, 161, 163



155, 164, 168

Square

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



178, 161, 163



157, 168, 153



151, 161, 169



161, 164, 177

Rectangle

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



178, 161, 163



176, 168, 155



151, 161, 169



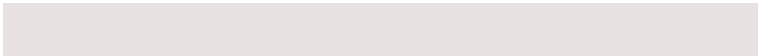
153, 162, 175

Sweetspot

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



178, 161, 163



232, 225, 226



176, 161, 178



117, 113, 113



245, 245, 245



117, 117, 117

Same Dimension

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



178, 161, 163



232, 207, 210



178, 170, 161



89, 80, 81



153, 0, 18



26, 0, 3

Inverse Universe

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



178, 161, 163



232, 207, 210



161, 168, 178



89, 80, 81



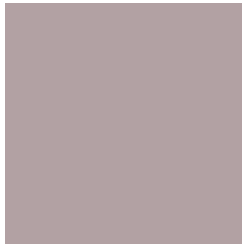
153, 0, 18



26, 0, 3

Previews

White Background



This preview shows how the RYB color 178, 161, 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 RYB color 178, 161, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

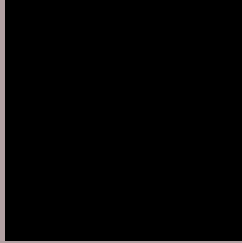
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

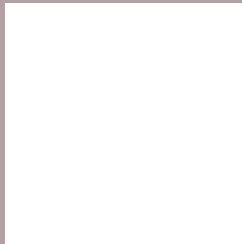
Any Text WCAG AAA ✓ Pass

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

RYB 178, 161, 163 Background



This preview shows how black text looks on a background with the RYB color 178, 161, 163.



This preview shows how white text looks on a background with the RYB color 178, 161, 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



Original Color
178, 161, 163

Protanopia
168, 164, 165

Deuteranopia
182, 160, 163



Tritanopia
179, 160, 172

Trichromacy



Original Color

178, 161, 163

Protanomaly

172, 163, 164

Deuteranomaly

181, 160, 163

Tritanomaly

179, 160, 169

Monochromacy



Original Color

178, 161, 163

Achromatopsia

166, 166, 166

Achromatomaly

170, 164, 165

CSS Examples

Text

The CSS property to change the color of the text to RGB 178, 161, 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(178, 161, 163) looks like.

```
.text, #text, p{  
    color:rgb(178, 161, 163)  
}
```

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(178, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 161, 163) }
```

Border

The CSS property to change the border of an element to RYB 178, 161, 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(178, 161, 163) }
```

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

```
.border{ border-color:rgb(178, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(178, 161,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 178, 161, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 161, 163) }
```

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

```
.background{ background-color: rgb(178,  
161, 163) }
```

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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