

Converting Colors

`RYB(180, 161, 163)`

Have a look what the booklet for
RYB(180, 161, 163) contains.

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Color

R_YB(180, 161, 163)

Conversions

Conversions Part 1

Format	Color
Hex	B4A1A3
RGB	180, 161, 163
RGB Percent	71%, 63%, 64%
CMY	0.2941, 0.3686, 0.3608
CMYK	0.00, 0.11, 0.09, 0.29
HSL	354°, 11%, 67%
HSV	354°, 11%, 71%
XYZ	38.1781, 37.8374, 39.9415
YIQ	166.9090, 10.6820, 4.6500

Conversions

Conversions Part 2

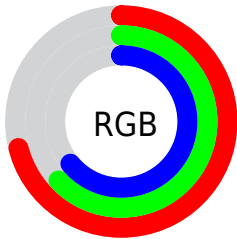
Format	Color
RYB	180, 161, 163
Decimal	11837859
CIELab	67.90, 7.28, 1.49
CIELCh	68, 7.427, 11.545
Yxy	37.8374, 0.3292, 0.3263
Android (android.graphics.Color)	4290027939 (0xFFB4A1A3)
YUV	166.9090, -1.9271, 11.4808
Hunter-Lab	61.5121, 3.1417, 4.5599

Details

The RYB color **180, 161, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **161, 171, 180**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **236, 216, 218**, and **127, 109, 111** is the 20% darker color. If you saturate the color by 10%, you get **180, 143, 147**, and if you desaturate by 10%, it is **180, 179, 179**.

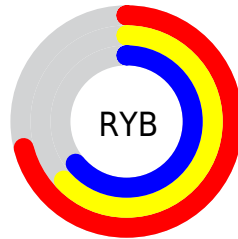
Distribution



Red (71%)

Green (63%)

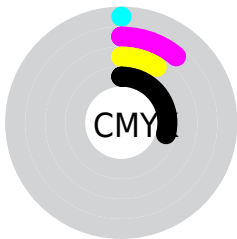
Blue (64%)



Red (71%)

Yellow (63%)

Blue (64%)

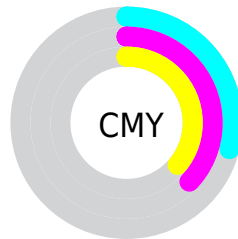


Cyan (0%)

Magenta (11%)

Yellow (9%)

Black (29%)



Cyan (29%)

Magenta (37%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 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 180, 161, 163 by changing the saturation by 10% instead.

 180, 161, 163


255, 255, 255

 236, 216, 218

 255, 244, 246

 180, 161, 163

 153, 135, 137

 127, 109, 111

 102, 85, 87

 78, 62, 64

 55, 40, 42

 33, 20, 21


 0, 0, 0


 180, 161, 163


 180, 143, 147


 180, 161, 163

 180, 179, 179

 180, 125, 131

 180, 189, 197

 180, 107, 115

 180, 199, 215

 180, 89, 99

 180, 208, 233

 180, 71, 82

 180, 217, 251

 180, 53, 66

 180, 218, 255

 180, 35, 50

 180, 17, 34

 180, 0, 19

Harmonies

Analogous

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



177, 161, 170



180, 161, 163



179, 163, 157

Triad

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



180, 161, 163



155, 168, 162



154, 162, 178

Complementary

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



180, 161, 163



161, 171, 180

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, 161, 174



180, 161, 163



154, 164, 169

Square

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



180, 161, 163



154, 168, 152



150, 161, 170



162, 165, 178

Rectangle

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



180, 161, 163



177, 169, 154



150, 161, 170



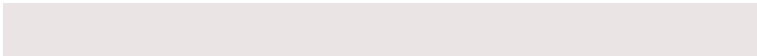
152, 162, 177

Sweetspot

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



180, 161, 163



235, 228, 228



178, 161, 180



117, 113, 113



245, 245, 245



117, 117, 117

Same Dimension

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



180, 161, 163



235, 204, 207



180, 172, 161



89, 80, 81



153, 0, 16



26, 0, 3

Inverse Universe

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



180, 161, 163



235, 204, 207



161, 168, 180



89, 80, 81



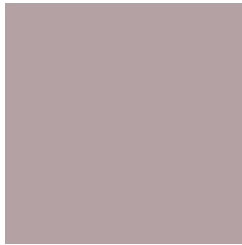
153, 0, 16



26, 0, 3

Previews

White Background



This preview shows how the RYB color 180, 161, 163 looks on a white background.

Color Contrast Check

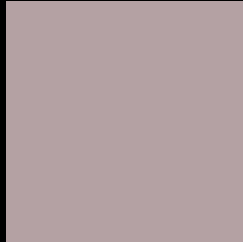
Large Text (above 18pt) WCAG AA × Fail

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 180, 161, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

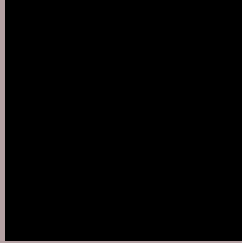
Any Text WCAG AA ✓ Pass

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 180, 161, 163 Background



This preview shows how black text looks on a background with the RYB color 180, 161, 163.



This preview shows how white text looks on a background with the RYB color 180, 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
180, 161, 163

Protanopia
168, 165, 165

Deuteranopia
182, 160, 163



Tritanopia
181, 160, 172

Trichromacy



Original Color

180, 161, 163

Protanomaly

172, 164, 164

Deuteranomaly

181, 160, 163

Tritanomaly

181, 160, 169

Monochromacy



Original Color

180, 161, 163

Achromatopsia

167, 167, 167

Achromatomaly

172, 165, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 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(180, 161, 163) looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 163) }
```

Border

The CSS property to change the border of an element to RYB 180, 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(180, 161, 163) }
```

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

```
.border{ border-color:rgb(180, 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(180, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 180, 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(180, 161, 163) }
```

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

```
.background{ background-color: rgb(180,  
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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