

# Converting Colors

`RYB(180, 164, 163)`

Have a look what the booklet for  
RYB(180, 164, 163) contains.

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# **Color**

**R<sub>Y</sub>B(180, 164, 163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A4A3
RGB	180, 164, 163
RGB Percent	71%, 64%, 64%
CMY	0.2941, 0.3571, 0.3608
CMYK	0.00, 0.09, 0.09, 0.29
HSL	3°, 10%, 67%
HSV	3°, 9%, 71%
XYZ	38.6988, 38.8787, 40.1150
YIQ	168.6700, 9.8570, 3.0810

# Conversions

## Conversions Part 2

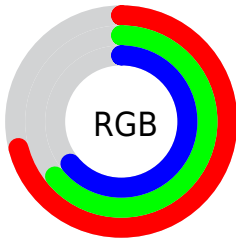
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 164, 163
Decimal	11838627
CIELab	68.66, 5.66, 2.59
CIELCh	69, 6.225, 24.631
Yxy	38.8787, 0.3288, 0.3303
Android (android.graphics.Color)	4290028707 (0xFFB4A4A3)
YUV	168.6700, -2.7953, 9.9364
Hunter-Lab	62.3528, 1.6673, 5.5024

# Details

The RYB color **180, 164, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 171, 180**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **236, 219, 218**, and **127, 112, 111** is the 20% darker color. If you saturate the color by 10%, you get **180, 147, 145**, and if you desaturate by 10%, it is **180, 181, 181**.

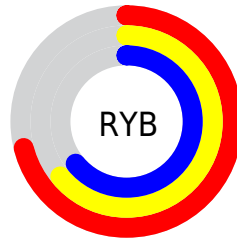
# Distribution



Red (71%)

Green (64%)

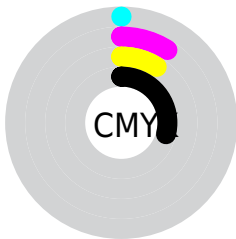
Blue (64%)



Red (71%)

Yellow (64%)

Blue (64%)

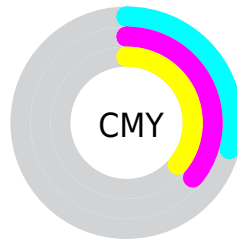


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (29%)



Cyan (29%)

Magenta (36%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 180, 164, 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, 164, 163 by changing the saturation by 10% instead.




 180, 164, 163

255, 255, 255

 236, 219, 218


 255, 247, 246

 180, 164, 163


 153, 138, 137

 127, 112, 111

 102, 88, 87

 78, 64, 64


 55, 42, 42

 33, 22, 21

 0, 0, 0

 180, 164, 163

 180, 147, 145

 180, 164, 163

 180, 181, 181

■ 180, 130, 127

■ 180, 189, 199

■ 180, 113, 109

■ 180, 198, 217

■ 180, 96, 91

■ 180, 207, 235

■ 180, 79, 73

■ 180, 215, 253

■ 180, 62, 55

■ 180, 218, 255

■ 180, 45, 37

■ 180, 29, 19

■ 180, 12, 1

# Harmonies

## Analogous

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



179, 164, 169



180, 164, 163



178, 169, 158

# Triad

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



180, 164, 163



161, 170, 170



161, 166, 179

# Complementary

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



180, 164, 163



163, 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.



156, 164, 176



180, 164, 163



156, 165, 171

# Square

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



180, 164, 163



157, 169, 159



154, 163, 172



168, 166, 178

# Rectangle

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



180, 164, 163



175, 175, 157



154, 163, 172



159, 166, 178

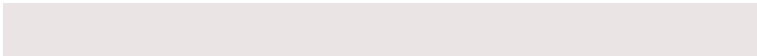


# Sweetspot

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



180, 164, 163



235, 228, 228



180, 163, 179



117, 113, 113



245, 245, 245



117, 117, 117



# Same Dimension

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



180, 164, 163



235, 210, 209



178, 180, 163



89, 81, 80



153, 10, 0



26, 1, 0



# Inverse Universe

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



163, 171, 180



209, 221, 235



163, 168, 180



80, 85, 89



0, 74, 153



0, 12, 26



# Previews

## White Background



This preview shows how the RYB color 180, 164, 163 looks on a white background.

## Color Contrast Check

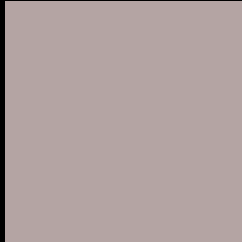
Large Text (above 18pt) WCAG AA × Fail

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, 164, 163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

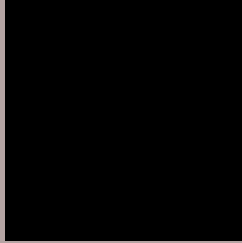
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYP 180, 164, 163 Background



This preview shows how black text looks on a background with the RYP color 180, 164, 163.



This preview shows how white text looks on a background with the RYP color 180, 164, 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, 164, 163

**Protanopia**  
171, 168, 165

**Deuteranopia**  
185, 162, 163



**Tritanopia**  
182, 162, 175

# Trichromacy



## Original Color

180, 164, 163

## Protanomaly

174, 167, 164

## Deuteranomaly

183, 163, 163

## Tritanomaly

181, 163, 171

# Monochromacy



## Original Color

180, 164, 163

## Achromatopsia

169, 169, 169

## Achromatomaly

173, 167, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 180, 164, 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, 164, 163) looks like.

```
.text, #text, p{  
    color:rgb(180, 164, 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, 164, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 164, 163) }
```

## Border

The CSS property to change the border of an element to RYB 180, 164, 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, 164, 163) }
```

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

```
.border{ border-color:rgb(180, 164, 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, 164, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 164, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 164, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 164,  
163) }
```

# Background

The CSS property to change the background color of an element to RYB 180, 164, 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, 164, 163) }
```

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

```
.background{ background-color: rgb(180,  
164, 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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