

Converting Colors

`RYB(180, 163, 157)`

Have a look what the booklet for
RYB(180, 163, 157) contains.

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Color

R_YB(180, 163, 157)

Conversions

Conversions Part 1

Format	Color
Hex	B4A29D
RGB	180, 162, 157
RGB Percent	71%, 64%, 62%
CMY	0.2941, 0.3657, 0.3843
CMYK	0.00, 0.10, 0.13, 0.29
HSL	12°, 13%, 66%
HSV	12°, 13%, 71%
XYZ	37.7860, 37.8933, 37.2209
YIQ	166.8120, 12.3330, 2.2610

Conversions

Conversions Part 2

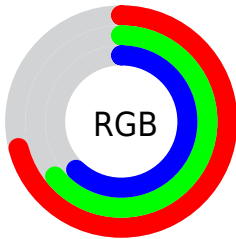
Format	Color
RYB	180, 163, 157
Decimal	11838109
CIELab	67.94, 5.83, 4.89
CIElCh	68, 7.607, 39.954
Yxy	37.8933, 0.3347, 0.3356
Android (android.graphics.Color)	4290028189 (0xFFB4A29D)
YUV	166.8120, -4.8373, 11.5659
Hunter-Lab	61.5575, 1.8434, 7.2405

Details

The RYB color **180, 163, 157** is a light color, and the websafe version is hex **999999**. A complement of this color would be **157, 167, 180**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **236, 218, 212**, and **127, 111, 106** is the 20% darker color. If you saturate the color by 10%, you get **180, 149, 139**, and if you desaturate by 10%, it is **180, 176, 175**.

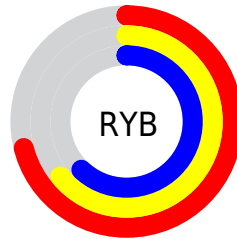
Distribution



Red (71%)

Green (64%)

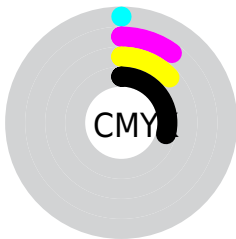
Blue (62%)



Red (71%)

Yellow (64%)

Blue (62%)

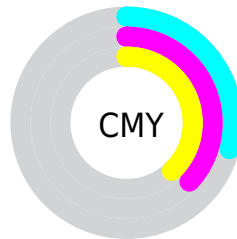


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (29%)



Cyan (29%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 163, 157 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, 163, 157 by changing the saturation by 10% instead.


 180, 163, 157


255, 255, 255

 236, 218, 212

 255, 248, 240

 180, 163, 157

 153, 137, 131

 127, 111, 106

 102, 87, 82

 78, 64, 59

 55, 42, 37

 33, 21, 16

 0, 0, 0

 180, 163, 157

 180, 149, 139

 180, 163, 157

 180, 176, 175

■ 180, 136, 121

■ 180, 186, 193

■ 180, 123, 103

■ 180, 194, 211

■ 180, 110, 85

■ 180, 202, 229

■ 180, 96, 67

■ 180, 210, 247

■ 180, 83, 49

■ 180, 215, 255

■ 180, 70, 31

■ 180, 218, 255

■ 180, 57, 13

■ 180, 47, 0

Harmonies

Analogous

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



180, 161, 163



180, 163, 157



176, 174, 153

Triad

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



180, 163, 157



154, 164, 169



161, 164, 179

Complementary

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



180, 163, 157



157, 167, 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.



154, 163, 178



180, 163, 157



149, 160, 170

Square

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



180, 163, 157



155, 168, 162



149, 160, 174



170, 163, 176

Rectangle

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



180, 163, 157



161, 171, 152



149, 160, 174



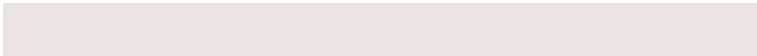
159, 164, 179

Sweetspot

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



180, 163, 157



235, 228, 225



180, 157, 175



117, 114, 111



245, 245, 245



117, 117, 117

Same Dimension

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



180, 163, 157



235, 209, 199



167, 180, 157



89, 83, 80



153, 40, 0



26, 6, 0

Inverse Universe

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



157, 167, 180



199, 215, 235



157, 162, 180



80, 84, 89



0, 68, 153



0, 11, 26

Previews

White Background



This preview shows how the RYB color 180, 163, 157 looks on a white background.

Color Contrast Check

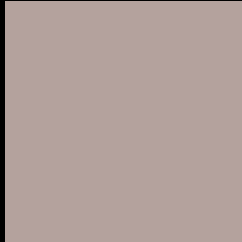
Large Text (above 18pt) WCAG AA × Fail

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, 163, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

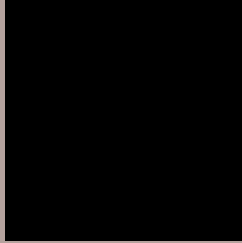
Any Text WCAG AA ✓ Pass

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, 163, 157 Background



This preview shows how black text looks on a background with the RYB color 180, 163, 157.



This preview shows how white text looks on a background with the RYB color 180, 163, 157.

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, 163, 157

Protanopia
168, 170, 159

Deuteranopia
185, 160, 157



Tritanopia
182, 159, 172

Trichromacy



Original Color

180, 163, 157

Protanomaly

174, 168, 158

Deuteranomaly

183, 162, 157

Tritanomaly

181, 160, 167

Monochromacy



Original Color

180, 163, 157

Achromatopsia

167, 167, 167

Achromatomaly

172, 166, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 163, 157 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, 162, 157) looks like.

```
.text, #text, p{  
    color:rgb(180, 162, 157)  
}
```

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, 162, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 162, 157) }
```

Border

The CSS property to change the border of an element to RYB 180, 163, 157 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, 162, 157) }
```

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

```
.border{ border-color:rgb(180, 162, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 162, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 162, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 162, 157);  
box-shadow:4px 4px 4px 4px rgb(180, 162,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 180, 163, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 162, 157) }
```

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

```
.background{ background-color: rgb(180,  
162, 157) }
```

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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