

Converting Colors

`RYB(180, 157, 163)`

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

RYB(180, 157, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(180, 157, 163)

Conversions

Conversions Part 1

Format	Color
Hex	B49DA3
RGB	180, 157, 163
RGB Percent	71%, 62%, 64%
CMY	0.2941, 0.3843, 0.3608
CMYK	0.00, 0.13, 0.09, 0.29
HSL	344°, 13%, 66%
HSV	344°, 13%, 71%
XYZ	37.4902, 36.4616, 39.7122
YIQ	164.5610, 11.7820, 6.7420

Conversions

Conversions Part 2

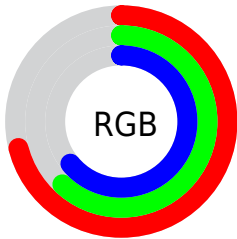
Format	Color
R _Y B	180, 157, 163
Decimal	11836835
CIE Lab	66.87, 9.48, -0.01
CIE LCh	67, 9.485, 359.915
Yxy	36.4616, 0.3298, 0.3208
Android (android.graphics.Color)	4290026915 (0xFFB49DA3)
YUV	164.5610, -0.7696, 13.5400
Hunter-Lab	60.3834, 5.1542, 3.2753

Details

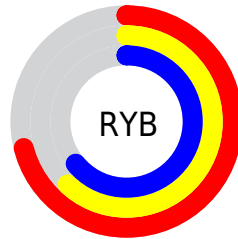
The RYB color **180, 157, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **157, 170, 180**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **236, 212, 218**, and **127, 106, 111** is the 20% darker color. If you saturate the color by 10%, you get **180, 139, 150**, and if you desaturate by 10%, it is **180, 175, 176**.

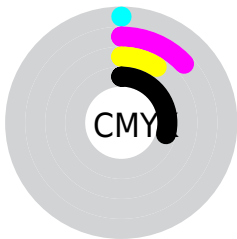
Distribution



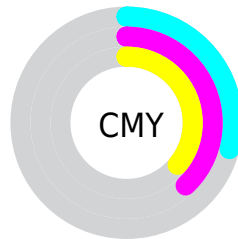
- Red (71%)
- Green (62%)
- Blue (64%)



- Red (71%)
- Yellow (62%)
- Blue (64%)



- Cyan (0%)
- Magenta (13%)
- Yellow (9%)
- Black (29%)




- Cyan (29%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

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

 180, 157, 163

255, 255, 255

 236, 212, 218


 255, 240, 246

 180, 157, 163


 153, 131, 137

 127, 106, 111

 102, 82, 87

 78, 58, 64


 55, 37, 42

 33, 16, 21

 0, 0, 0

 180, 157, 163

 180, 139, 150

 180, 157, 163

 180, 175, 176

■ 180, 121, 136

■ 180, 187, 193

■ 180, 103, 123

■ 180, 198, 211

■ 180, 85, 110

■ 180, 208, 229

■ 180, 67, 96

■ 180, 218, 247

■ 180, 49, 83

■ 180, 221, 255

■ 180, 31, 70

■ 180, 218, 255

■ 180, 13, 57

■ 180, 0, 47

Harmonies

Analogous

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



174, 158, 171



180, 157, 163



181, 157, 155

Triad

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



180, 157, 163



148, 165, 153



145, 158, 177

Complementary

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



180, 157, 163



157, 170, 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.



142, 155, 171



180, 157, 163



151, 164, 167

Square

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



180, 157, 163



158, 170, 146



144, 158, 168



154, 161, 180

Rectangle

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



180, 157, 163



179, 163, 150



144, 158, 168



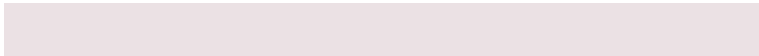
143, 157, 175

Sweetspot

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



180, 157, 163



235, 225, 228



174, 157, 180



117, 111, 113



245, 245, 245



117, 117, 117

Same Dimension

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



180, 157, 163



235, 199, 209



180, 163, 157



89, 80, 83



153, 0, 40



26, 0, 7

Inverse Universe

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



180, 157, 163



235, 199, 209



157, 167, 180



89, 80, 83



153, 0, 40



26, 0, 7

Previews

White Background



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

Color Contrast Check

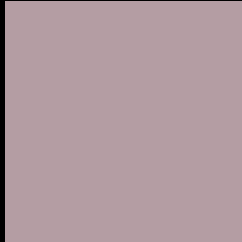
Large Text (above 18pt) WCAG AA × Fail

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, 157, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

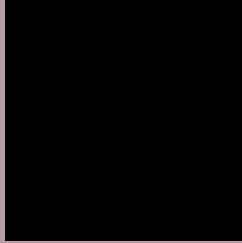
Any Text WCAG AA ✓ Pass

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, 157, 163 Background



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



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

Protanopia
165, 162, 166

Deuteranopia
178, 158, 163



Tritanopia
181, 156, 168

Trichromacy



Original Color

180, 157, 163

Protanomaly

170, 160, 165

Deuteranomaly

179, 158, 163

Tritanomaly

181, 156, 166

Monochromacy



Original Color

180, 157, 163

Achromatopsia

165, 165, 165

Achromatomaly

170, 162, 164

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(180, 157, 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, 157, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 157, 163) }
```

Border

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

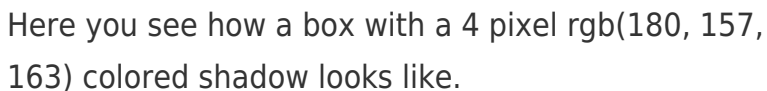
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 157, 163) }
```

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

```
.border{ border-color:rgb(180, 157, 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, 157, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 157, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 157, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 157,  
163) }
```

Background

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

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

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