

Converting Colors

`RYB(168, 176, 159)`

Have a look what the booklet for
RYB(168, 176, 159) contains.

RYB(168, 176, 159)	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(168, 176, 159)

Conversions

Conversions Part 1

Format	Color
Hex	B0AA9F
RGB	176, 170, 159
RGB Percent	69%, 67%, 62%
CMY	0.3098, 0.3329, 0.3765
CMYK	0.00, 0.03, 0.10, 0.31
HSL	39°, 10%, 66%
HSV	39°, 10%, 69%
XYZ	38.5589, 40.5260, 38.5909
YIQ	170.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

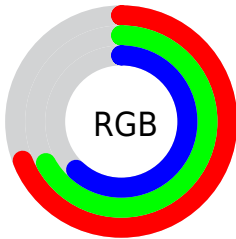
Format	Color
RYB	168, 176, 159
Decimal	11578015
CIELab	69.84, 0.13, 6.47
CIELCh	70, 6.468, 88.863
Yxy	40.5260, 0.3277, 0.3444
Android (android.graphics.Color)	4289768095 (0xFFB0AA9F)
YUV	170.5400, -5.6892, 4.7884
Hunter-Lab	63.6601, -3.2878, 8.6203

Details

The RYB color **168, 176, 159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **159, 163, 176**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **225, 232, 214**, and **116, 123, 108** is the 20% darker color. If you saturate the color by 10%, you get **159, 176, 141**, and if you desaturate by 10%, it is **176, 176, 177**.

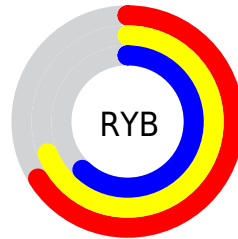
Distribution



Red (69%)

Green (67%)

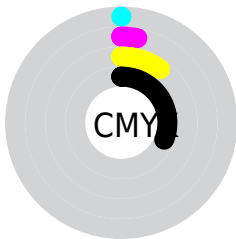
Blue (62%)



Red (66%)

Yellow (69%)

Blue (62%)

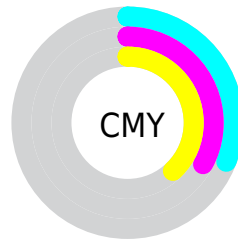


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 176, 159 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 168, 176, 159 by changing the saturation by 10% instead.

 168, 176, 159


255, 255, 255

 225, 232, 214


 243, 255, 242


 168, 176, 159

 140, 149, 133

 116, 123, 108


 93, 99, 83

 68, 75, 60

 45, 52, 39

 24, 31, 18

 0, 0, 0

 168, 176, 159


 159, 176, 141


 168, 176, 159

 176, 176, 177

 152, 176, 124


 176, 181, 194

 143, 176, 106

 176, 185, 212

 135, 176, 89


 176, 189, 229

 126, 176, 71


 176, 194, 247

 117, 176, 53


 176, 198, 255

 111, 176, 36

 176, 201, 255

 102, 176, 18

 176, 204, 255

 95, 176, 1

 176, 206, 255

Harmonies

Analogous

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



181, 172, 161



168, 176, 159



160, 172, 163

Triad

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



168, 176, 159



156, 165, 176



178, 168, 177

Complementary

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



168, 176, 159



159, 163, 176

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.



172, 169, 181



168, 176, 159



159, 167, 180

Square

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



168, 176, 159



158, 167, 174



165, 169, 182



183, 167, 171

Rectangle

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



168, 176, 159



163, 173, 171



165, 169, 182



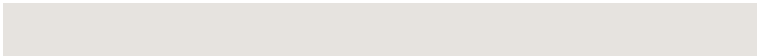
176, 168, 178

Sweetspot

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



168, 176, 159



228, 230, 223



176, 159, 165



113, 115, 110



242, 242, 242



115, 115, 115

Same Dimension

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



168, 176, 159



218, 230, 202



159, 176, 162



85, 89, 80



81, 153, 0



14, 26, 0

Inverse Universe

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



159, 163, 176



202, 209, 230



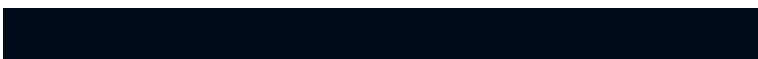
162, 159, 176



80, 82, 89



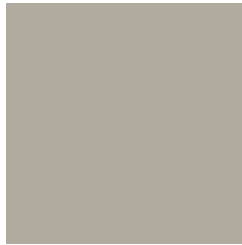
0, 39, 153



0, 7, 26

Previews

White Background



This preview shows how the RYB color 168, 176, 159 looks on a white background.

Color Contrast Check

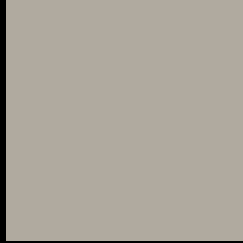
Large Text (above 18pt) WCAG AA × Fail

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 168, 176, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

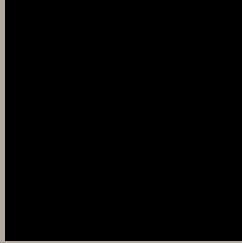
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

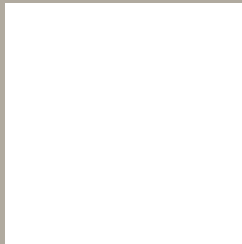
Any Text WCAG AAA ✓ Pass

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

RYB 168, 176, 159 Background



This preview shows how black text looks on a background with the RYB color 168, 176, 159.



This preview shows how white text looks on a background with the RYB color 168, 176, 159.

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
168, 176, 159

Protanopia
168, 176, 159

Deuteranopia
191, 166, 160



Tritanopia
179, 167, 180

Trichromacy



Original Color

168, 176, 159

Protanomaly

168, 176, 159

Deuteranomaly

186, 170, 160

Tritanomaly

178, 168, 172

Monochromacy



Original Color

168, 176, 159

Achromatopsia

171, 171, 171

Achromatomaly

170, 173, 167

CSS Examples

Text

The CSS property to change the color of the text to RGB 168, 176, 159 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(176, 170, 159) looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 159)  
}
```

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(176, 170, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 159) }
```

Border

The CSS property to change the border of an element to RYB 168, 176, 159 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(176, 170, 159) }
```

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

```
.border{ border-color:rgb(176, 170, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 168, 176, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 159) }
```

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

```
.background{ background-color: rgb(176,  
170, 159) }
```

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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