Converting Colors

RYB(168, 187, 159)

Have a look what the booklet for RYB(168, 187, 159) contains.

Color

RYB(168, 187, 159)

Conversions

Conversions Part 1

Format	Color
Hex	BBB49F
RGB	187, 180, 159
RGB Percent	73%, 71%, 62%
CMY	0.2667, 0.2934, 0.3765
CMYK	0.00, 0.04, 0.15, 0.27
HSL	45°, 17%, 68%
HSV	45°, 15%, 73%
XYZ	43.1110, 45.7870, 39.3665
YIQ	179.6990, 10.9130, -5.0470

Conversions

Conversions Part 2

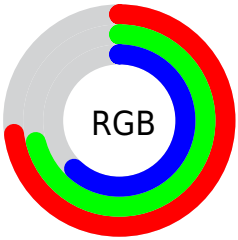
Format	Color
RYB	168, 187, 159
Decimal	12301471
CIELab	73.41, -1.21, 11.67
CIELCh	73, 11.733, 95.912
Yxy	45.7870, 0.3361, 0.3570
Android (android.graphics.Color)	4290491551 (0xFFBBB49F)
YUV	179.6990, -10.2046, 6.4030
Hunter-Lab	67.6661, -4.6907, 12.8728

Details

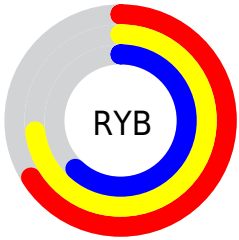
The RYB color 168, 187, 159 is a light color, and the websafe version is hex CCCCCC. A complement of this color would be 159, 165, 187, and the grayscale version is 180, 180, 180.

A 20% lighter version of the original color is 223, 243, 214, and 118, 134, 108 is the 20% darker color. If you saturate the color by 10%, you get 154, 187, 140, and if you desaturate by 10%, it is 181, 187, 178.

Distribution

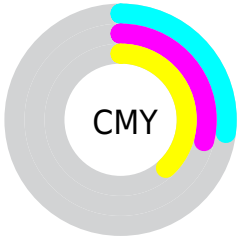


- Red (73%)
- Green (71%)
- Blue (62%)



- Red (66%)
- Yellow (73%)
- Blue (62%)

- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (27%)



- Cyan (27%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 187, 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, 187, 159 by changing the saturation by 10% instead.

168, 187, 159	168, 187, 159
255, 255, 255	142, 160, 133
223, 243, 214	116, 134, 108
242, 255, 242	91, 108, 83
	66, 84, 60
	43, 60, 38
	23, 38, 18
	2, 15, 0
	0, 0, 0

168, 187, 159	168, 187, 159

154, 187, 140

143, 187, 122

129, 187, 103

117, 187, 84

106, 187, 66

92, 187, 47

80, 187, 28

66, 187, 9

59, 187, 0

181, 187, 178

187, 189, 196

187, 193, 215

187, 196, 234

187, 200, 253

187, 202, 255

187, 205, 255

187, 208, 255

187, 210, 255

Harmonies

Analogous

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

197, 190, 161

168, 187, 159

163, 184, 172

Triad

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

168, 187, 159

154, 171, 192

196, 174, 189

Complementary

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

168, 187, 159

159, 165, 187

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.

185, 177, 198

168, 187, 159

160, 175, 200

Square

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

168, 187, 159

155, 172, 187

172, 178, 201

203, 173, 178

Rectangle

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

168, 187, 159

167, 184, 185

172, 178, 201

193, 175, 192

Sweetspot

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

168, 187, 159

236, 242, 233

187, 159, 166

117, 122, 116

250, 250, 250

122, 122, 122

Same Dimension

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

168, 187, 159

212, 242, 199

159, 187, 166

88, 94, 85

50, 158, 0

11, 31, 0

Inverse Universe

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

159, 165, 187

199, 207, 242

166, 159, 187

85, 87, 94

0, 31, 158

0, 6, 31

Previews

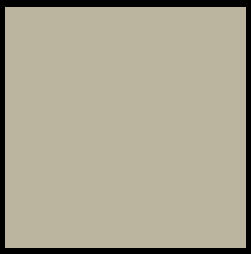
White Background

This preview shows how the RYB color 168, 187, 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



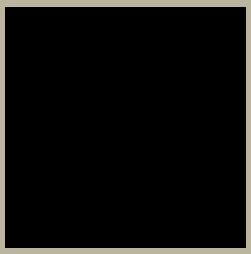
This preview shows how the RYB color 168, 187, 159 looks on a black background.

Color Contrast Check

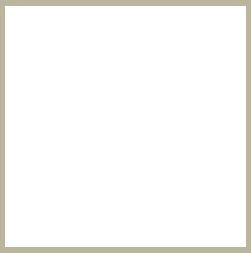
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 168, 187, 159 Background



This preview shows how black text looks on a background with the RYB color 168, 187, 159.



This preview shows how white text looks on a background with the RYB color 168, 187, 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

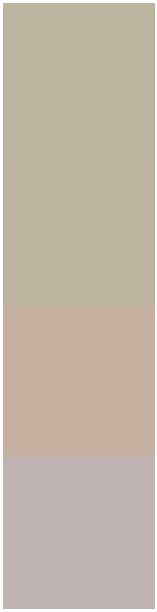
Original Color
168, 187, 159

Protanopia
170, 188, 159

Deuteranopia
205, 180, 160

Tritanopia
191, 176, 190

Trichromacy



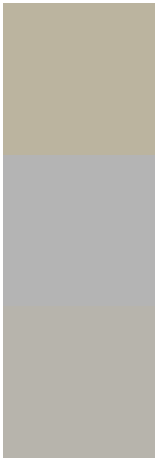
Original Color
168, 187, 159

Protanomaly
170, 188, 159

Deuteranomaly
198, 188, 160

Tritanomaly
190, 178, 179

Monochromacy



Original Color
168, 187, 159

Achromatopsia
180, 180, 180

Achromatomaly
176, 183, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 187, 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(187, 180, 159) looks like.

```
.text, #text, p{
    color:rgb(187, 180, 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(187, 180, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 159) }
```

Border

The CSS property to change the border of an element to RYB 168, 187, 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(187, 180, 159) }
```

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

```
.border{ border-color:rgb(187, 180, 159) }
```

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

Here you see how a box with a 4 pixel rgb(187, 180, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 180, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 180, 159); box-shadow:4px 4px 4px 4px rgb(187, 180, 159) }
```

Background

The CSS property to change the background color of an element to RYB 168, 187, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(187, 180, 159) }
```

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

```
.background{ background-color:rgb(187,
180, 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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