

Converting Colors

`RYB(159, 208, 189)`

Have a look what the booklet for
RYB(159, 208, 189) contains.

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Color

R_YB(159, 208, 189)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B2D09F |
| RGB | 178, 208, 159 |
| RGB Percent | 70%, 82%, 62% |
| CMY | 0.3020, 0.1843, 0.3765 |
| CMYK | 0.14, 0.00, 0.24, 0.18 |
| HSL | 97°, 34%, 72% |
| HSV | 97°, 24%, 82% |
| XYZ | 47.1740, 57.0799, 41.3321 |
| YIQ | 193.4440, -2.1510, -21.5990 |

Conversions

Conversions Part 2

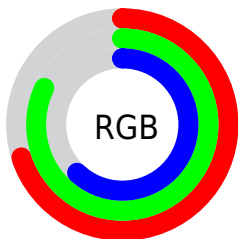
| Format | Color |
|-------------------------------------|--|
| RYB | 159, 208, 189 |
| Decimal | 11718815 |
| CIELab | 80.22, -18.89, 21.09 |
| CIElCh | 80, 28.312, 131.842 |
| Yxy | 57.0799, 0.3240, 0.3921 |
| Android (android.graphics.Color) | 4289908895 (0xFFB2D09F) |
| YUV | 193.4440, -16.9809, -13.5444 |
| Hunter-Lab | 75.5513, -20.7598, 20.4499 |

Details

The RYB color **159, 208, 189** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **189, 159, 208**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **214, 255, 235**, and **107, 154, 136** is the 20% darker color. If you saturate the color by 10%, you get **138, 208, 181**, and if you desaturate by 10%, it is **180, 208, 197**.

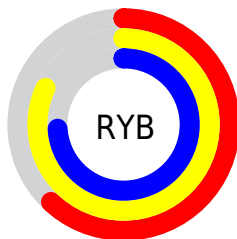
Distribution



Red (70%)

Green (82%)

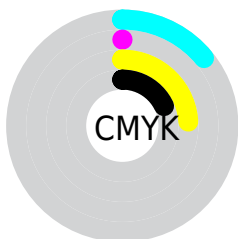
Blue (62%)



Red (62%)

Yellow (82%)

Blue (74%)

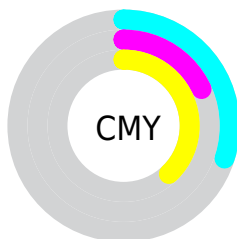


Cyan (14%)

Magenta (0%)

Yellow (24%)

Black (18%)



Cyan (30%)

Magenta (18%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 208, 189 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 159, 208, 189 by changing the saturation by 10% instead.


 159, 208, 189

255, 255, 255


 214, 255, 235

 242, 255, 242

 159, 208, 189

 133, 180, 162


 107, 154, 136

 83, 128, 112

 59, 102, 86

 37, 78, 64

 16, 55, 42

 0, 34, 27

 0, 2, 2

 0, 0, 0

 159, 208, 189

 159, 208, 189

 138, 208, 181

 180, 208, 197

 117, 208, 172

 201, 208, 206

 97, 208, 165

 216, 208, 221

 76, 208, 157

 229, 208, 242

 55, 208, 149

 242, 208, 255

 34, 208, 140

 254, 208, 255

 13, 208, 132

 255, 208, 255

 0, 208, 127

Harmonies

Analogous

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



155, 208, 147



159, 208, 189



148, 191, 213

Triad

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



159, 208, 189



145, 183, 249



253, 180, 189

Complementary

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



159, 208, 189



189, 159, 208

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.



241, 182, 216



159, 208, 189



181, 195, 250

Square

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



159, 208, 189



123, 172, 233



216, 189, 238



249, 190, 165

Rectangle

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



159, 208, 189



132, 177, 214



216, 189, 238



251, 180, 198

Sweetspot

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



159, 208, 189



237, 255, 248



193, 208, 159



117, 128, 124



0, 0, 0



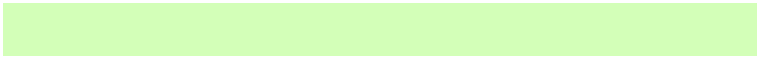
128, 128, 128

Same Dimension

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



159, 208, 189



184, 255, 228



159, 203, 208



94, 105, 101



0, 168, 103



0, 41, 25

Inverse Universe

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



189, 159, 208



227, 184, 255



208, 159, 203



100, 94, 105



103, 0, 168



25, 0, 41

Previews

White Background



This preview shows how the RYB color 159, 208, 189 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 159, 208, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

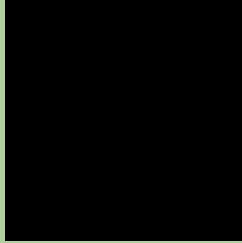
Any Text WCAG AA ✓ Pass

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 159, 208, 189 Background



This preview shows how black text looks on a background with the RYB color 159, 208, 189.

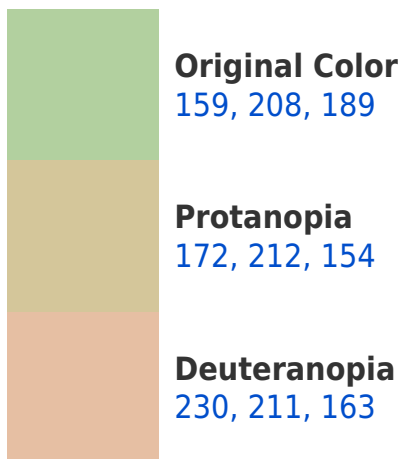


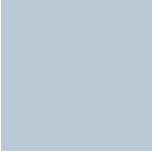
This preview shows how white text looks on a background with the RYB color 159, 208, 189.

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](#).

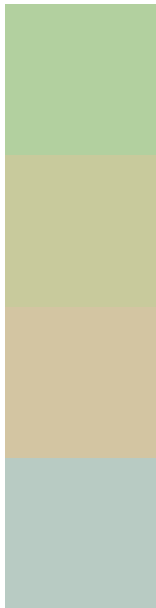
Dichromacy





Tritanopia
187, 196, 216

Trichromacy



Original Color
159, 208, 189

Protanomaly
156, 202, 158

Deuteranomaly
182, 211, 162

Tritanomaly
184, 196, 203

Monochromacy



Original Color
159, 208, 189

Achromatopsia
193, 193, 193

Achromatomaly
181, 198, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 208, 189 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(178, 208, 159)` looks like.

```
.text, #text, p{  
    color:rgb(178, 208, 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(178, 208, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 208, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 208, 189 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(178, 208, 159) }
```

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

```
.border{ border-color:rgb(178, 208, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 208, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 208, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 208, 159); box-shadow:4px 4px 4px 4px rgb(178, 208, 159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 208, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 208, 159) }
```

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

```
.background{ background-color: rgb(178,  
208, 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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