

Converting Colors

`RYB(159, 196, 170)`

Have a look what the booklet for
RYB(159, 196, 170) contains.

RYB(159, 196, 170)	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

$\text{RYB}(159, 196, 170)$

Conversions

Conversions Part 1

Format	Color
Hex	B9C49F
RGB	185, 196, 159
RGB Percent	73%, 77%, 62%
CMY	0.2745, 0.2314, 0.3765
CMYK	0.06, 0.00, 0.19, 0.23
HSL	78°, 24%, 70%
HSV	78°, 19%, 77%
XYZ	46.0055, 52.2973, 40.4705
YIQ	188.4930, 5.3210, -13.8390

Conversions

Conversions Part 2

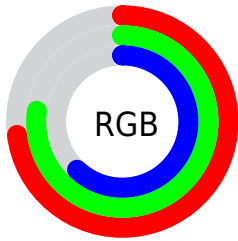
Format	Color
RYB	159, 196, 170
Decimal	12174495
CIELab	77.46, -10.26, 17.34
CIELCh	77, 20.144, 120.615
Yxy	52.2973, 0.3315, 0.3769
Android (android.graphics.Color)	4290364575 (0xFFB9C49F)
YUV	188.4930, -14.5400, -3.0634
Hunter-Lab	72.3169, -12.9990, 17.4415

Details

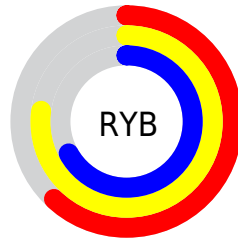
The RYB color **159, 196, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 159, 196**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **214, 253, 226**, and **107, 142, 117** is the 20% darker color. If you saturate the color by 10%, you get **139, 196, 156**, and if you desaturate by 10%, it is **179, 196, 184**.

Distribution



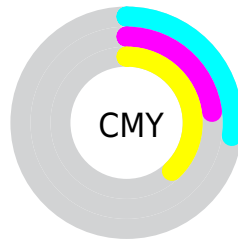
- Red (73%)
- Green (77%)
- Blue (62%)



- Red (62%)
- Yellow (77%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)



- Cyan (27%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 196, 170 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, 196, 170 by changing the saturation by 10% instead.

 159, 196, 170


255, 255, 255

 214, 253, 226


 242, 255, 242

 159, 196, 170

 133, 169, 144

 107, 142, 117

 83, 117, 94

 60, 92, 70

 38, 69, 49

 17, 46, 27

 0, 26, 11


 0, 0, 0

 159, 196, 170


 159, 196, 170


 139, 196, 156


 179, 196, 184

 120, 196, 143


 197, 196, 198

 100, 196, 128


 202, 196, 218


 81, 196, 115

 208, 196, 237

 61, 196, 101


 214, 196, 255

 41, 196, 87


 220, 196, 255

 22, 196, 74

 226, 196, 255

 2, 196, 60

 232, 196, 255

 0, 196, 58

 237, 196, 255

Harmonies

Analogous

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



177, 206, 154



159, 196, 170



164, 193, 200

Triad

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



159, 196, 170



150, 179, 223



228, 178, 192

Complementary

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



159, 196, 170



170, 159, 196

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.



216, 181, 210



159, 196, 170



171, 187, 228

Square

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



159, 196, 170



141, 173, 210



195, 186, 223



230, 181, 173

Rectangle

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



159, 196, 170



152, 182, 202



195, 186, 223



225, 179, 198

Sweetspot

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



159, 196, 170



240, 255, 245



196, 173, 159



119, 128, 122



0, 0, 0



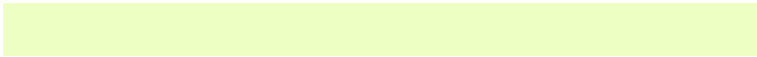
128, 128, 128

Same Dimension

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



159, 196, 170



196, 255, 213



159, 196, 188



87, 97, 90



0, 161, 48



0, 33, 10

Inverse Universe

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



170, 159, 196



214, 196, 255



188, 159, 196



90, 87, 97



48, 0, 161



10, 0, 33

Previews

White Background



This preview shows how the RYB color 159, 196, 170 looks on a white background.

Color Contrast Check

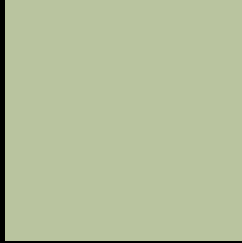
Large Text (above 18pt) WCAG AA × Fail

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, 196, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

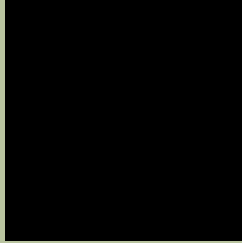
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

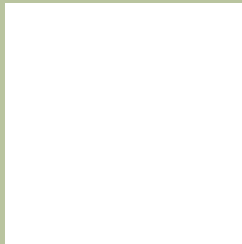
Any Text WCAG AAA ✓ Pass

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

RYB 159, 196, 170 Background



This preview shows how black text looks on a background with the RYB color 159, 196, 170.



This preview shows how white text looks on a background with the RYB color 159, 196, 170.

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
159, 196, 170

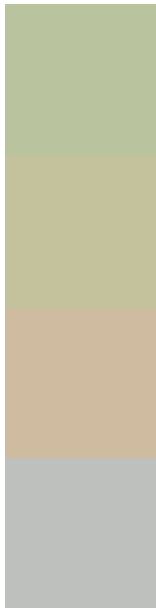
Protanopia
170, 202, 156

Deuteranopia
220, 199, 161



Tritanopia
192, 190, 205

Trichromacy



Original Color
159, 196, 170

Protanomaly
160, 196, 157

Deuteranomaly
192, 207, 160

Tritanomaly
188, 192, 191

Monochromacy



Original Color
159, 196, 170

Achromatopsia
188, 188, 188

Achromatomaly
177, 191, 181

CSS Examples

Text

The CSS property to change the color of the text to RGB 159, 196, 170 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(185, 196, 159) looks like.

```
.text, #text, p{  
    color:rgb(185, 196, 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(185, 196, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 196, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 196, 170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

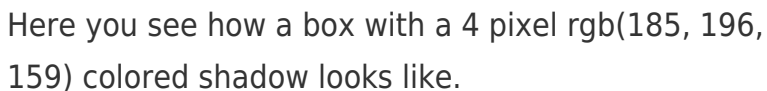
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 196, 159) }
```

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

```
.border{ border-color:rgb(185, 196, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 196, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 196, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 196, 159); box-shadow:4px 4px 4px 4px rgb(185, 196, 159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 196, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 196, 159) }
```

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

```
.background{ background-color: rgb(185,  
196, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor