

Converting Colors

`RYB(160, 202, 159)`

Have a look what the booklet for
RYB(160, 202, 159) contains.

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Color

R_YB(160, 202, 159)

Conversions

Conversions Part 1

Format	Color
Hex	CAC99F
RGB	202, 201, 159
RGB Percent	79%, 79%, 62%
CMY	0.2078, 0.2117, 0.3765
CMYK	0.00, 0.00, 0.21, 0.21
HSL	59°, 29%, 71%
HSV	59°, 21%, 79%
XYZ	51.5071, 56.8436, 41.0581
YIQ	196.5110, 14.0780, -12.8500

Conversions

Conversions Part 2

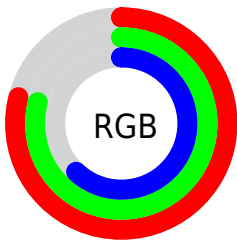
Format	Color
RYB	160, 202, 159
Decimal	13289887
CIELab	80.09, -6.55, 21.18
CIELCh	80, 22.172, 107.170
Yxy	56.8436, 0.3447, 0.3805
Android (android.graphics.Color)	4291479967 (0xFFCAC99F)
YUV	196.5110, -18.4929, 4.8139
Hunter-Lab	75.3947, -9.9957, 20.4884

Details

The RYB color **160, 202, 159** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **159, 160, 202**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **214, 255, 214**, and **108, 148, 107** is the 20% darker color. If you saturate the color by 10%, you get **140, 202, 139**, and if you desaturate by 10%, it is **180, 202, 179**.

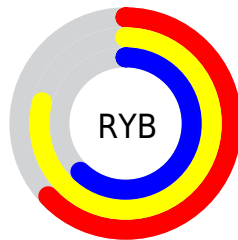
Distribution



Red (79%)

Green (79%)

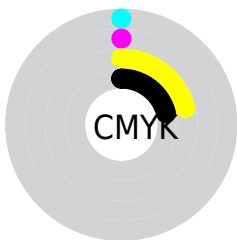
Blue (62%)



Red (63%)

Yellow (79%)

Blue (62%)

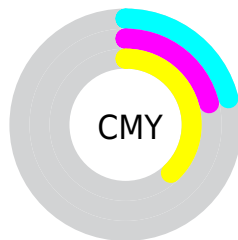


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (21%)



Cyan (21%)

Magenta (21%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 202, 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 160, 202, 159 by changing the saturation by 10% instead.

 160, 202, 159

255, 255, 255


 214, 255, 214

 242, 255, 242

 160, 202, 159

 133, 174, 133

 108, 148, 107

 83, 121, 83

 59, 97, 60

 37, 73, 38

 16, 51, 18

 0, 29, 1

 0, 1, 1

 0, 0, 0

 160, 202, 159

 160, 202, 159

 140, 202, 139

 180, 202, 179

 121, 202, 119

 199, 202, 199

 100, 202, 98

 202, 202, 220

 81, 202, 78

 202, 203, 240

 61, 202, 58

 202, 203, 255

 42, 202, 38

 202, 204, 255

 22, 202, 18

 202, 205, 255

 5, 202, 0

Harmonies

Analogous

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



212, 223, 159



160, 202, 159



170, 207, 199

Triad

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



160, 202, 159



145, 181, 228



235, 185, 208

Complementary

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



160, 202, 159



159, 160, 202

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.



217, 190, 227



160, 202, 159



164, 190, 238

Square

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



160, 202, 159



143, 177, 210



191, 196, 238



242, 184, 187

Rectangle

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



160, 202, 159



163, 196, 209



191, 196, 238



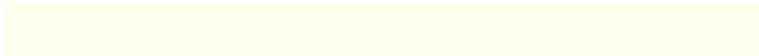
230, 186, 215

Sweetspot

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



160, 202, 159



240, 255, 240



202, 159, 160



120, 128, 119



0, 0, 0



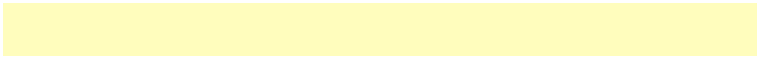
128, 128, 128

Same Dimension

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



160, 202, 159



191, 255, 189



159, 202, 179



92, 102, 92



4, 166, 0



1, 38, 0

Inverse Universe

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



159, 160, 202



189, 190, 255



179, 159, 202



92, 92, 102



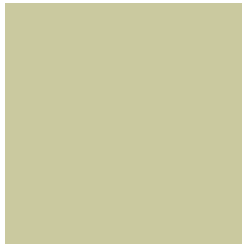
0, 4, 166



0, 1, 38

Previews

White Background



This preview shows how the RYB color 160, 202, 159 looks on a white background.

Color Contrast Check

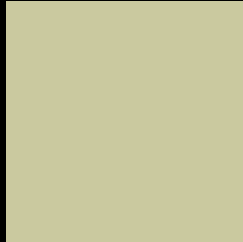
Large Text (above 18pt) WCAG AA × Fail

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 160, 202, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

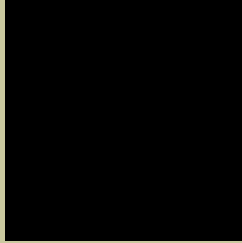
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

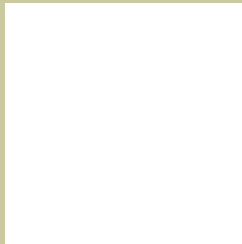
Any Text WCAG AAA ✓ Pass

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

RYB 160, 202, 159 Background



This preview shows how black text looks on a background with the RYB color 160, 202, 159.



This preview shows how white text looks on a background with the RYB color 160, 202, 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
160, 202, 159

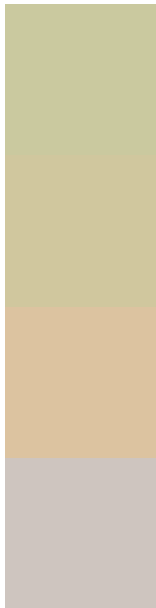
Protanopia
175, 211, 158

Deuteranopia
231, 214, 161



Tritanopia
209, 194, 209

Trichromacy



Original Color
160, 202, 159

Protanomaly
169, 208, 158

Deuteranomaly
203, 220, 160

Tritanomaly
206, 201, 191

Monochromacy



Original Color
160, 202, 159

Achromatopsia
197, 197, 197

Achromatomaly
184, 199, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 202, 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(202, 201, 159)` looks like.

```
.text, #text, p{  
    color:rgb(202, 201, 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(202, 201, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 201, 159) }
```

Border

The CSS property to change the border of an element to RYB 160, 202, 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(202, 201, 159) }
```

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

```
.border{ border-color:rgb(202, 201, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 201, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 201, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 201, 159);  
box-shadow:4px 4px 4px 4px rgb(202, 201,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 160, 202, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 201, 159) }
```

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

```
.background{ background-color: rgb(202,  
201, 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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