

Converting Colors

`RYB(159, 232, 198)`

Have a look what the booklet for
RYB(159, 232, 198) contains.

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Color

R_YB(159, 232, 198)

Conversions

Conversions Part 1

Format	Color
Hex	C1E89F
RGB	193, 232, 159
RGB Percent	76%, 91%, 62%
CMY	0.2431, 0.0902, 0.3765
CMYK	0.17, 0.00, 0.31, 0.09
HSL	92°, 61%, 77%
HSV	92°, 31%, 91%
XYZ	57.1069, 71.5539, 43.6023
YIQ	212.0170, 0.1890, -30.9710

Conversions

Conversions Part 2

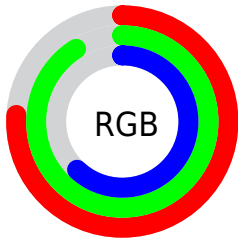
Format	Color
RYB	159, 232, 198
Decimal	12707999
CIELab	87.75, -25.30, 31.47
CIELCh	88, 40.379, 128.801
Yxy	71.5539, 0.3315, 0.4154
Android (android.graphics.Color)	4290898079 (0xFFC1E89F)
YUV	212.0170, -26.1374, -16.6779
Hunter-Lab	84.5895, -27.5252, 28.6512

Details

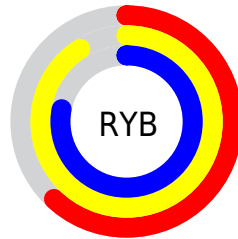
The RYB color **159, 232, 198** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **198, 159, 232**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **214, 255, 219**, and **107, 176, 145** is the 20% darker color. If you saturate the color by 10%, you get **136, 232, 187**, and if you desaturate by 10%, it is **182, 232, 209**.

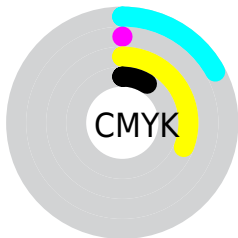
Distribution



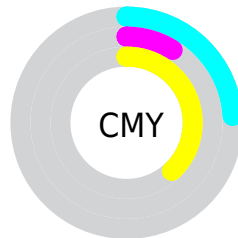
- Red (76%)
- Green (91%)
- Blue (62%)



- Red (62%)
- Yellow (91%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)



- Cyan (24%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 232, 198 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, 232, 198 by changing the saturation by 10% instead.

 159, 232, 198

255, 255, 255


 214, 255, 219

 243, 255, 243

 159, 232, 198


 133, 204, 172

 107, 176, 145

 82, 149, 119

 58, 123, 94

 35, 98, 71

 10, 74, 46

 0, 51, 36

 0, 32, 32

 0, 0, 0

 159, 232, 198

 159, 232, 198

 136, 232, 187

 182, 232, 209

 113, 232, 177

 205, 232, 219

 89, 232, 165

 229, 232, 231

 66, 232, 155

 243, 232, 252

 43, 232, 144

 255, 232, 255

 20, 232, 133

 0, 232, 124

Harmonies

Analogous

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



160, 235, 143



159, 232, 198



147, 209, 239

Triad

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



159, 232, 198



125, 184, 255



255, 191, 210

Complementary

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



159, 232, 198



198, 159, 232

Split Complementary

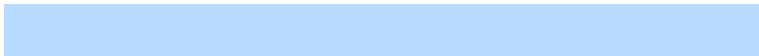
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 195, 249



159, 232, 198



185, 208, 255

Square

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



159, 232, 198



86, 166, 255



240, 206, 255



255, 204, 174

Rectangle

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



159, 232, 198



117, 186, 241



240, 206, 255



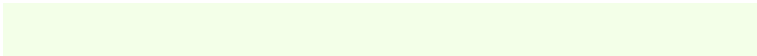
255, 191, 223

Sweetspot

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



159, 232, 198



232, 255, 244



223, 232, 159



113, 128, 121



0, 0, 0



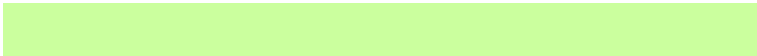
128, 128, 128

Same Dimension

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



159, 232, 198



158, 255, 210



159, 230, 232



103, 115, 109



0, 179, 96



0, 51, 27

Inverse Universe

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



198, 159, 232



210, 158, 255



232, 159, 230



109, 103, 115



95, 0, 179



27, 0, 51

Previews

White Background



This preview shows how the RYB color 159, 232, 198 looks on a white background.

Color Contrast Check

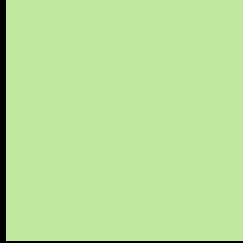
Large Text (above 18pt) WCAG AA × Fail

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, 232, 198 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, 232, 198 Background



This preview shows how black text looks on a background with the RYB color 159, 232, 198.

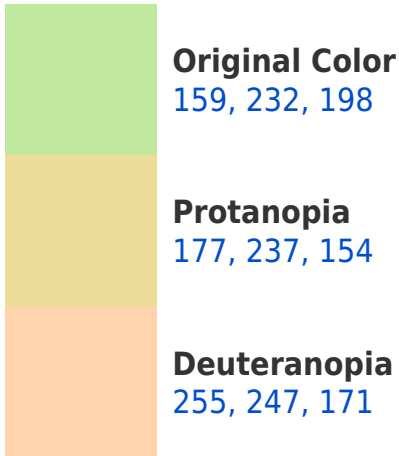


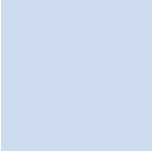
This preview shows how white text looks on a background with the RYB color 159, 232, 198.

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





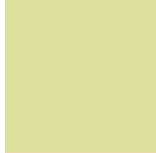
Tritanopia
205, 216, 239

Trichromacy



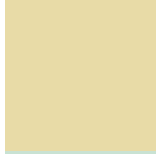
Original Color

159, 232, 198



Protanomaly

156, 224, 159



Deuteranomaly

183, 232, 167



Tritanomaly

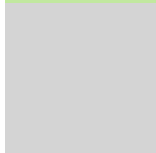
201, 219, 226

Monochromacy



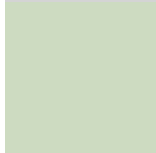
Original Color

159, 232, 198



Achromatopsia

212, 212, 212



Achromatomaly

193, 219, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 232, 198 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(193, 232, 159)` looks like.

```
.text, #text, p{  
    color:rgb(193, 232, 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(193, 232, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 232, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 232, 198 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(193, 232, 159) }
```

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

```
.border{ border-color:rgb(193, 232, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 232, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 232, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 232, 159); box-shadow:4px 4px 4px 4px rgb(193, 232, 159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 232, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 232, 159) }
```

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

```
.background{ background-color: rgb(193,  
232, 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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