

Converting Colors

`RYB(159, 229, 182)`

Have a look what the booklet for
RYB(159, 229, 182) contains.

RYB(159, 229, 182)	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

R_YB(159, 229, 182)

Conversions

Conversions Part 1

Format	Color
Hex	CEE59F
RGB	206, 229, 159
RGB Percent	81%, 90%, 62%
CMY	0.1922, 0.1020, 0.3765
CMYK	0.10, 0.00, 0.31, 0.10
HSL	80°, 57%, 76%
HSV	80°, 31%, 90%
XYZ	59.7309, 71.6636, 43.4852
YIQ	214.1430, 8.7620, -26.6460

Conversions

Conversions Part 2

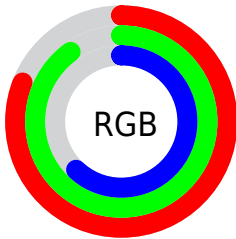
Format	Color
RYB	159, 229, 182
Decimal	13559199
CIELab	87.81, -19.17, 31.69
CIELCh	88, 37.037, 121.163
Yxy	71.6636, 0.3416, 0.4098
Android (android.graphics.Color)	4291749279 (0xFFCEE59F)
YUV	214.1430, -27.1855, -7.1414
Hunter-Lab	84.6544, -22.1981, 28.8020

Details

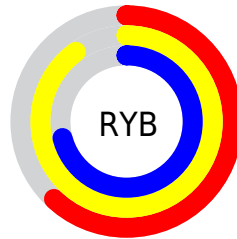
The RYB color **159, 229, 182** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **182, 159, 229**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **214, 255, 214**, and **107, 174, 130** is the 20% darker color. If you saturate the color by 10%, you get **136, 229, 167**, and if you desaturate by 10%, it is **182, 229, 197**.

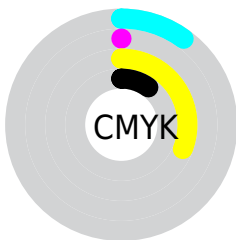
Distribution



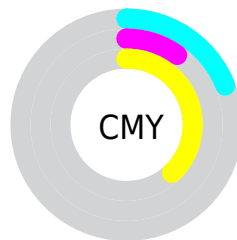
- Red (81%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 229, 182 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, 229, 182 by changing the saturation by 10% instead.

 159, 229, 182

255, 255, 255


 214, 255, 214


 243, 255, 243

 159, 229, 182


 133, 201, 156

 107, 174, 130

 82, 147, 105

 58, 121, 80

 35, 96, 57

 11, 72, 33

 0, 50, 22

 0, 30, 30

 0, 0, 0

 159, 229, 182

 159, 229, 182

 136, 229, 167

 182, 229, 197

 113, 229, 151

 205, 229, 213

 90, 229, 136

 228, 229, 228

 67, 229, 120

 236, 229, 251

 45, 229, 106

 244, 229, 255

 22, 229, 90

 251, 229, 255

 0, 229, 75

 255, 229, 255

Harmonies

Analogous

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



186, 244, 150



159, 229, 182



165, 220, 236

Triad

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



159, 229, 182



127, 185, 255



255, 194, 220

Complementary

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



159, 229, 182



182, 159, 229

Split Complementary

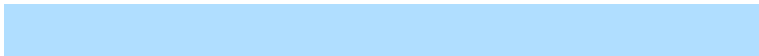
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 199, 255



159, 229, 182



176, 205, 255

Square

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



159, 229, 182



105, 175, 255



227, 211, 255



255, 199, 185

Rectangle

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



159, 229, 182



138, 198, 239



227, 211, 255



255, 195, 232

Sweetspot

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



159, 229, 182



232, 255, 240



229, 191, 159



113, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



159, 229, 182



161, 255, 192



159, 229, 216



103, 115, 107



0, 179, 59



0, 51, 17

Inverse Universe

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



182, 159, 229



192, 161, 255



216, 159, 229



107, 103, 115



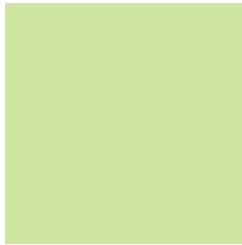
59, 0, 179



17, 0, 51

Previews

White Background



This preview shows how the RYB color 159, 229, 182 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, 229, 182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

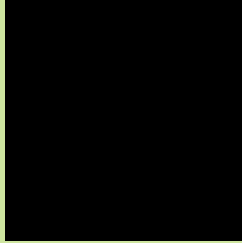
Any Text WCAG AA ✓ Pass

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, 229, 182 Background



This preview shows how black text looks on a background with the RYB color 159, 229, 182.

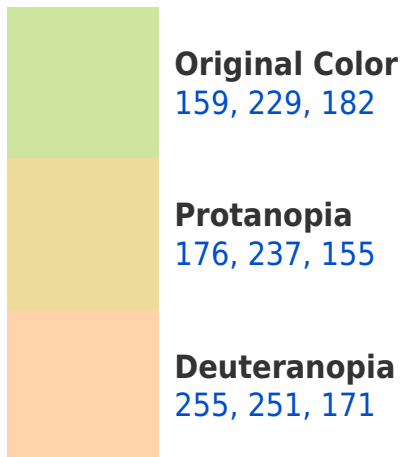


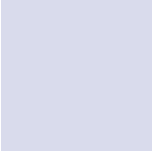
This preview shows how white text looks on a background with the RYB color 159, 229, 182.

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](#).

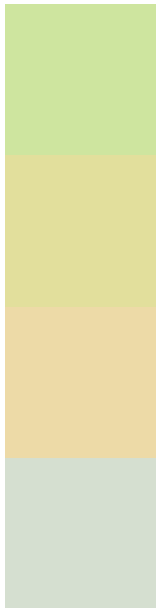
Dichromacy





Tritanopia
217, 219, 236

Trichromacy



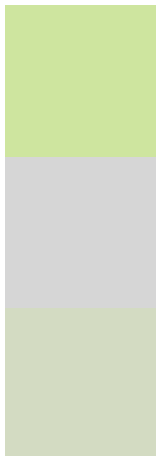
Original Color
159, 229, 182

Protanomaly
159, 226, 156

Deuteranomaly
193, 237, 167

Tritanomaly
208, 223, 218

Monochromacy



Original Color
159, 229, 182

Achromatopsia
214, 214, 214

Achromatomaly
194, 219, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 229, 182 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(206, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 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(206, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 229, 182 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(206, 229, 159) }
```

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

```
.border{ border-color:rgb(206, 229, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 159);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 229, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 159) }
```

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

```
.background{ background-color: rgb(206,  
229, 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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