

Converting Colors

`RYB(159, 226, 181)`

Have a look what the booklet for
RYB(159, 226, 181) contains.

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Color

R_YB(159, 226, 181)

Conversions

Conversions Part 1

Format	Color
Hex	CCE29F
RGB	204, 226, 159
RGB Percent	80%, 89%, 62%
CMY	0.2000, 0.1137, 0.3765
CMYK	0.10, 0.00, 0.30, 0.11
HSL	80°, 54%, 75%
HSV	80°, 30%, 89%
XYZ	58.3562, 69.7333, 43.1851
YIQ	211.7840, 8.3950, -25.5010

Conversions

Conversions Part 2

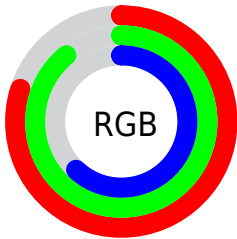
Format	Color
RYB	159, 226, 181
Decimal	13427359
CIELab	86.87, -18.42, 30.41
CIELCh	87, 35.555, 121.208
Yxy	69.7333, 0.3407, 0.4071
Android (android.graphics.Color)	4291617439 (0xFFCCE29F)
YUV	211.7840, -26.0225, -6.8266
Hunter-Lab	83.5065, -21.3965, 27.7929

Details

The RYB color **159, 226, 181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **181, 159, 226**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **214, 255, 214**, and **107, 171, 129** is the 20% darker color. If you saturate the color by 10%, you get **136, 226, 165**, and if you desaturate by 10%, it is **182, 226, 197**.

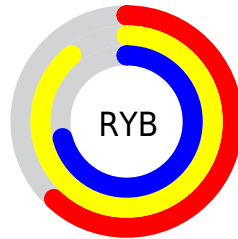
Distribution



Red (80%)

Green (89%)

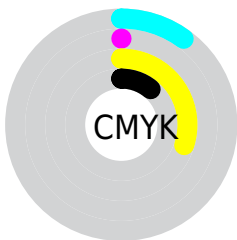
Blue (62%)



Red (62%)

Yellow (89%)

Blue (71%)

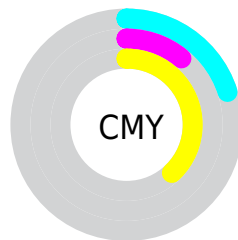


Cyan (10%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (20%)

Magenta (11%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 226, 181 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, 226, 181 by changing the saturation by 10% instead.


 159, 226, 181

255, 255, 255


 214, 255, 214


 243, 255, 243

 159, 226, 181


 133, 198, 155

 107, 171, 129

 82, 144, 103

 58, 118, 79

 35, 94, 57

 11, 70, 32

 0, 47, 20

 0, 28, 28

 0, 0, 0

 159, 226, 181

 159, 226, 181

 136, 226, 165

 182, 226, 197

 114, 226, 151

 204, 226, 211


 91, 226, 135

 226, 226, 227

 69, 226, 121

 234, 226, 249

 46, 226, 105

 241, 226, 255

 23, 226, 90

 249, 226, 255

 1, 226, 75

 255, 226, 255

 0, 226, 74

Harmonies

Analogous

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



183, 240, 150



159, 226, 181



165, 218, 233

Triad

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



159, 226, 181



129, 185, 255



255, 192, 217

Complementary

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



159, 226, 181



181, 159, 226

Split Complementary

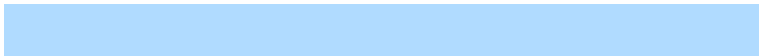
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 198, 251



159, 226, 181



176, 204, 255

Square

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



159, 226, 181



109, 176, 251



224, 208, 255



255, 197, 184

Rectangle

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



159, 226, 181



139, 196, 236



224, 208, 255



255, 193, 229

Sweetspot

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



159, 226, 181



232, 255, 240



226, 190, 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, 226, 181



163, 255, 193



159, 226, 214



101, 112, 104



0, 176, 58



0, 48, 15

Inverse Universe

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



181, 159, 226



193, 163, 255



214, 159, 226



105, 101, 112



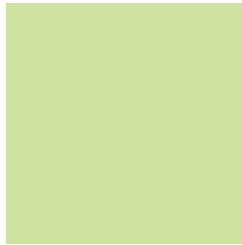
58, 0, 176



16, 0, 48

Previews

White Background



This preview shows how the RYB color 159, 226, 181 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, 226, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

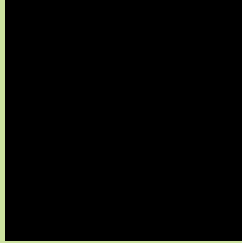
Any Text WCAG AA ✓ Pass

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, 226, 181 Background



This preview shows how black text looks on a background with the RYB color 159, 226, 181.

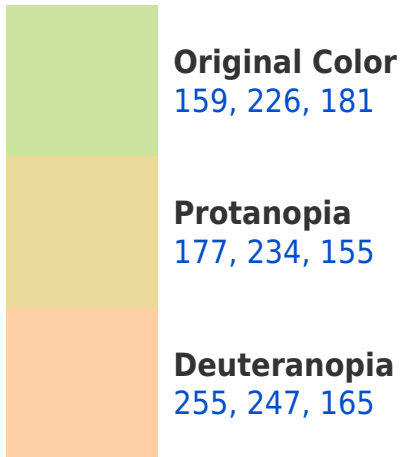


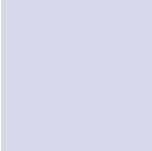
This preview shows how white text looks on a background with the RYB color 159, 226, 181.

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](#).

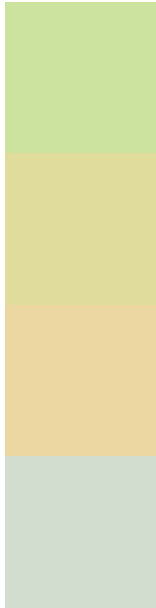
Dichromacy





Tritanopia
214, 216, 234

Trichromacy



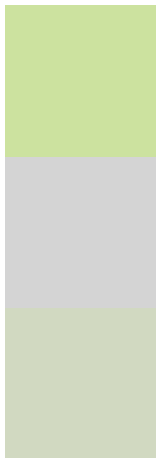
Original Color
159, 226, 181

Protanomaly
159, 223, 156

Deuteranomaly
192, 236, 163

Tritanomaly
207, 220, 217

Monochromacy



Original Color
159, 226, 181

Achromatopsia
212, 212, 212

Achromatomaly
193, 217, 201

CSS Examples

Text

The CSS property to change the color of the text to RGB 159, 226, 181 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(204, 226, 159) looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 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(204, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 226, 181 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(204, 226, 159) }
```

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

```
.border{ border-color:rgb(204, 226, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 159);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 226, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 159) }
```

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

```
.background{ background-color: rgb(204,  
226, 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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