

Converting Colors

`RYB(159, 237, 211)`

Have a look what the booklet for
RYB(159, 237, 211) contains.

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Color

R_YB(159, 237, 211)

Conversions

Conversions Part 1

Format	Color
Hex	B9ED9F
RGB	185, 237, 159
RGB Percent	73%, 93%, 62%
CMY	0.2745, 0.0706, 0.3765
CMYK	0.22, 0.00, 0.33, 0.07
HSL	100°, 68%, 78%
HSV	100°, 33%, 93%
XYZ	56.5498, 73.3859, 43.9853
YIQ	212.5600, -5.9540, -35.2820

Conversions

Conversions Part 2

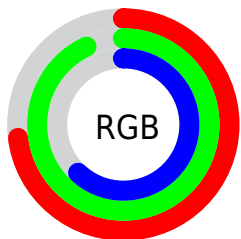
Format	Color
RYB	159, 237, 211
Decimal	12184991
CIELab	88.63, -30.46, 32.55
CIELCh	89, 44.583, 133.102
Yxy	73.3859, 0.3251, 0.4219
Android (android.graphics.Color)	4290375071 (0xFFB9ED9F)
YUV	212.5600, -26.4051, -24.1701
Hunter-Lab	85.6655, -32.0828, 29.5232

Details

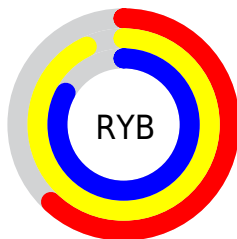
The RYB color **159, 237, 211** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **211, 159, 237**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **214, 255, 227**, and **107, 181, 158** is the 20% darker color. If you saturate the color by 10%, you get **135, 237, 203**, and if you desaturate by 10%, it is **183, 237, 219**.

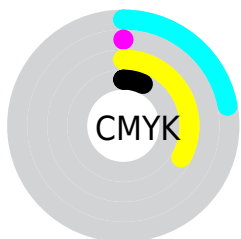
Distribution



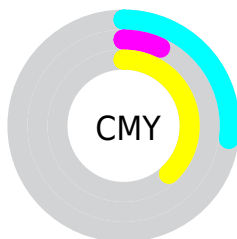
- Red (73%)
- Green (93%)
- Blue (62%)



- Red (62%)
- Yellow (93%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)



- Cyan (27%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 237, 211 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, 237, 211 by changing the saturation by 10% instead.

 159, 237, 211

255, 255, 255


 214, 255, 227


 243, 255, 243


 159, 237, 211

 132, 209, 184

 107, 181, 158


 82, 154, 132

 58, 128, 107

 34, 102, 83

 9, 78, 60

 0, 55, 54

 0, 34, 34

 0, 0, 0

 159, 237, 211

 159, 237, 211

 135, 237, 203

 183, 237, 219

 112, 237, 196

 206, 237, 226

 88, 237, 187

 230, 237, 235

 64, 237, 179

 248, 237, 254

 40, 237, 171

 255, 237, 255

 17, 237, 164

 0, 237, 158

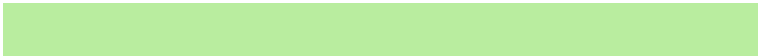
Harmonies

Analogous

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



145, 232, 139



159, 237, 211



132, 203, 244

Triad

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



159, 237, 211



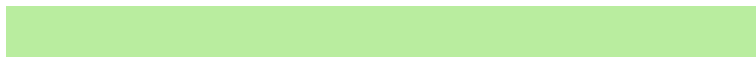
121, 182, 255



255, 190, 205

Complementary

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



159, 237, 211



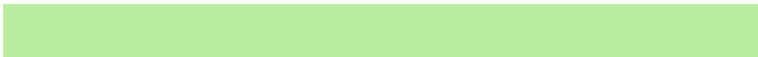
211, 159, 237

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, 193, 248



159, 237, 211



192, 211, 255

Square

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



159, 237, 211



57, 153, 255



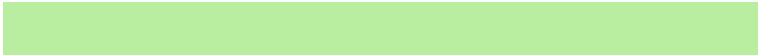
251, 205, 255



255, 216, 166

Rectangle

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



159, 237, 211



94, 175, 245



251, 205, 255



255, 190, 220

Sweetspot

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



159, 237, 211



230, 255, 247



198, 237, 159



112, 128, 123



0, 0, 0



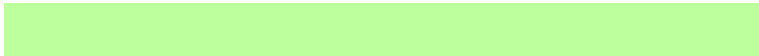
128, 128, 128

Same Dimension

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



159, 237, 211



156, 255, 222



159, 226, 237



106, 117, 114



0, 181, 121



0, 54, 36

Inverse Universe

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



211, 159, 237



222, 156, 255



237, 159, 224



113, 106, 117



121, 0, 181



36, 0, 54

Previews

White Background



This preview shows how the RYB color 159, 237, 211 looks on a white background.

Color Contrast Check

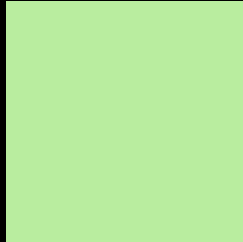
Large Text (above 18pt) WCAG AA × Fail

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, 237, 211 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, 237, 211 Background



This preview shows how black text looks on a background with the RYB color 159, 237, 211.

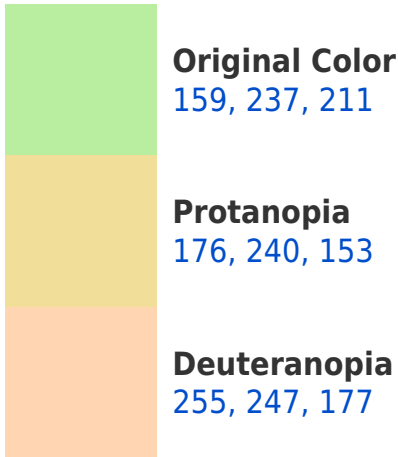


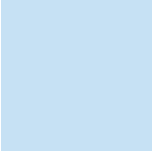
This preview shows how white text looks on a background with the RYB color 159, 237, 211.

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





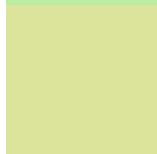
Tritanopia
198, 215, 244

Trichromacy



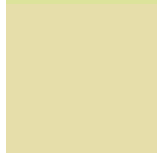
Original Color

159, 237, 211



Protanomaly

155, 227, 162



Deuteranomaly

179, 230, 170



Tritanomaly

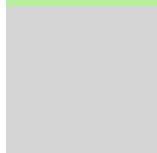
193, 217, 230

Monochromacy



Original Color

159, 237, 211



Achromatopsia

213, 213, 213



Achromatomaly

193, 222, 212

CSS Examples

Text

The CSS property to change the color of the text to RGB 159, 237, 211 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, 237, 159)` looks like.

```
.text, #text, p{  
    color:rgb(185, 237, 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, 237, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 237, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 237, 211 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, 237, 159) }
```

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

```
.border{ border-color:rgb(185, 237, 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, 237, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 237, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 237, 159);  
box-shadow:4px 4px 4px 4px rgb(185, 237,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 237, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 237, 159) }
```

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

```
.background{ background-color: rgb(185,  
237, 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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