

Converting Colors

`RYB(159, 250, 206)`

Have a look what the booklet for
RYB(159, 250, 206) contains.

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Color

R_YB(159, 250, 206)

Conversions

Conversions Part 1

Format	Color
Hex	CBFA9F
RGB	203, 250, 159
RGB Percent	80%, 98%, 62%
CMY	0.2039, 0.0196, 0.3765
CMYK	0.19, 0.00, 0.36, 0.02
HSL	91°, 90%, 80%
HSV	91°, 36%, 98%
XYZ	65.0722, 83.5709, 45.5020
YIQ	225.5730, 1.1990, -38.2650

Conversions

Conversions Part 2

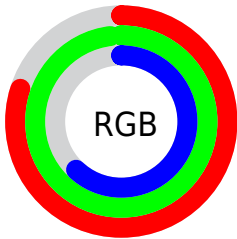
Format	Color
RYB	159, 250, 206
Decimal	13367967
CIELab	93.26, -30.29, 38.86
CIElCh	93, 49.267, 127.932
Yxy	83.5709, 0.3352, 0.4305
Android (android.graphics.Color)	4291558047 (0xFFCBA9F)
YUV	225.5730, -32.8205, -19.7965
Hunter-Lab	91.4171, -32.9208, 34.4810

Details

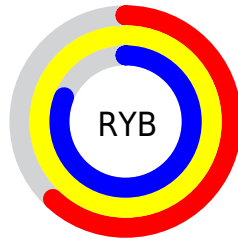
The RYB color **159, 250, 206** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **206, 159, 250**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **215, 255, 215**, and **106, 193, 152** is the 20% darker color. If you saturate the color by 10%, you get **134, 250, 194**, and if you desaturate by 10%, it is **184, 250, 218**.

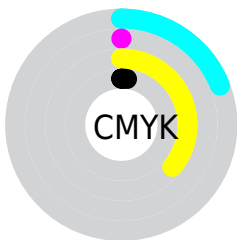
Distribution



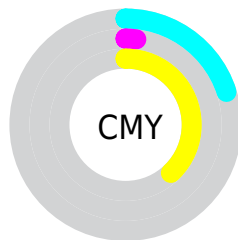
- Red (80%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (81%)



- Cyan (19%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)



- Cyan (20%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 250, 206 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, 250, 206 by changing the saturation by 10% instead.

 159, 250, 206

255, 255, 255


 215, 255, 215


 243, 255, 243


 159, 250, 206

 132, 221, 178

 106, 193, 152

 81, 166, 126

 56, 139, 101

 32, 114, 77

 3, 89, 49

 0, 65, 47

 0, 43, 43

 0, 20, 20

 159, 250, 206

 159, 250, 206

 134, 250, 194

 184, 250, 218

 109, 250, 182

 209, 250, 230

 84, 250, 170

 234, 250, 242

 59, 250, 158

 255, 250, 255

 34, 250, 146

 9, 250, 133

 0, 250, 129

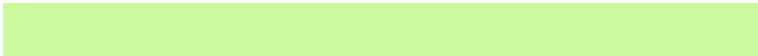
Harmonies

Analogous

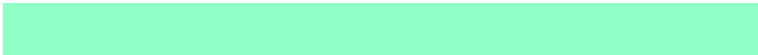
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



160, 254, 140



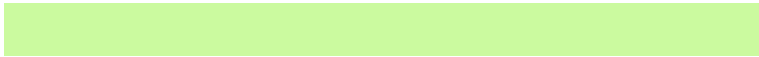
159, 250, 206



144, 219, 255

Triad

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



159, 250, 206



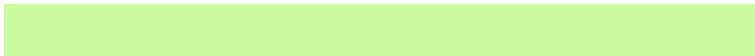
100, 176, 255



255, 198, 225

Complementary

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



159, 250, 206



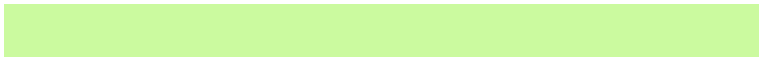
206, 159, 250

Split Complementary

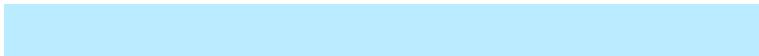
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 204, 255



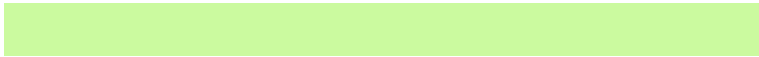
159, 250, 206



187, 215, 255

Square

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



159, 250, 206



0, 128, 255



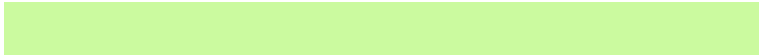
255, 219, 255



255, 218, 180

Rectangle

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



159, 250, 206



98, 183, 255



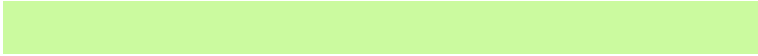
255, 219, 255



255, 199, 241

Sweetspot

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



159, 250, 206



227, 255, 241



248, 250, 159



111, 128, 120



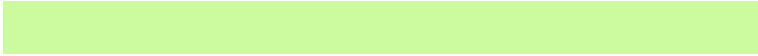
0, 0, 0



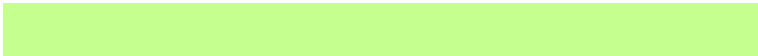
128, 128, 128

Same Dimension

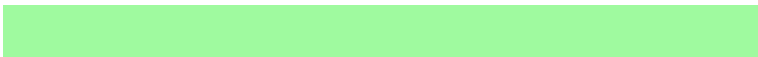
The Same Dimension uses a secret algorithm to generate beautiful new colors.



159, 250, 206



143, 255, 201



159, 250, 250



112, 125, 119



0, 189, 98



0, 61, 31

Inverse Universe

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



206, 159, 250



201, 143, 255



250, 159, 250



119, 112, 125



97, 0, 189



32, 0, 61

Previews

White Background



This preview shows how the RYB color 159, 250, 206 looks on a white background.

Color Contrast Check

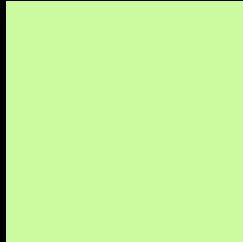
Large Text (above 18pt) WCAG AA × Fail

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, 250, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

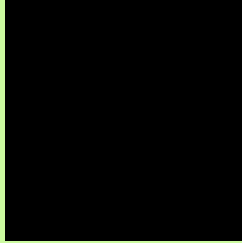
Any Text WCAG AA ✓ Pass

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, 250, 206 Background



This preview shows how black text looks on a background with the RYB color 159, 250, 206.

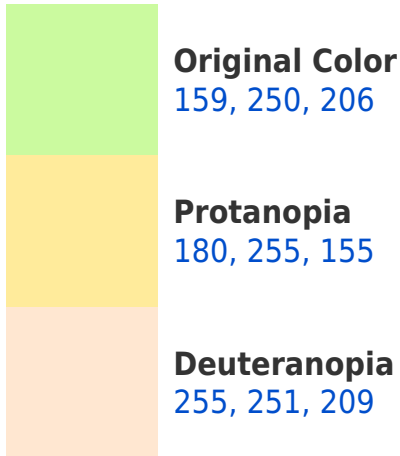


This preview shows how white text looks on a background with the RYB color 159, 250, 206.

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

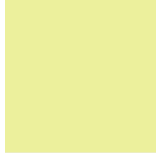
219, 231, 255

Trichromacy



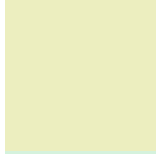
Original Color

159, 250, 206



Protanomaly

156, 240, 160



Deuteranomaly

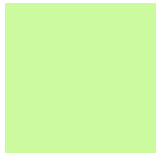
191, 238, 193



Tritanomaly

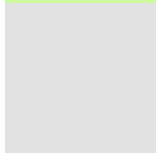
213, 236, 242

Monochromacy



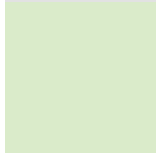
Original Color

159, 250, 206



Achromatopsia

226, 226, 226



Achromatomaly

202, 235, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 250, 206 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(203, 250, 159)` looks like.

```
.text, #text, p{  
    color:rgb(203, 250, 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(203, 250, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 250, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 250, 206 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(203, 250, 159) }
```

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

```
.border{ border-color:rgb(203, 250, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 250, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 250, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 250, 159);  
box-shadow:4px 4px 4px 4px rgb(203, 250,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 250, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 250, 159) }
```

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

```
.background{ background-color: rgb(203,  
250, 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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