

Converting Colors

`RYB(158, 243, 209)`

Have a look what the booklet for
RYB(158, 243, 209) contains.

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Color

R_YB(158, 243, 209)

Conversions

Conversions Part 1

Format	Color
Hex	C0F39E
RGB	192, 243, 158
RGB Percent	75%, 95%, 62%
CMY	0.2471, 0.0471, 0.3804
CMYK	0.21, 0.00, 0.35, 0.05
HSL	96°, 78%, 79%
HSV	96°, 35%, 95%
XYZ	59.9604, 77.7763, 44.1998
YIQ	218.0610, -3.1110, -37.2470

Conversions

Conversions Part 2

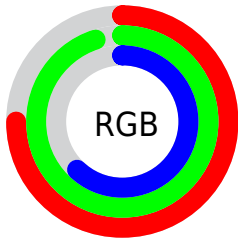
Format	Color
RYB	158, 243, 209
Decimal	12645278
CIELab	90.68, -30.99, 35.84
CIELCh	91, 47.383, 130.853
Yxy	77.7763, 0.3296, 0.4275
Android (android.graphics.Color)	4290835358 (0xFFC0F39E)
YUV	218.0610, -29.6101, -22.8555
Hunter-Lab	88.1909, -32.9730, 32.0184

Details

The RYB color **158, 243, 209** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **209, 158, 243**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **213, 255, 219**, and **106, 187, 156** is the 20% darker color. If you saturate the color by 10%, you get **134, 243, 200**, and if you desaturate by 10%, it is **182, 243, 218**.

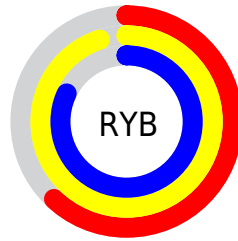
Distribution



Red (75%)

Green (95%)

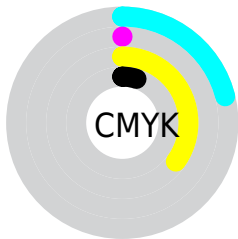
Blue (62%)



Red (62%)

Yellow (95%)

Blue (82%)

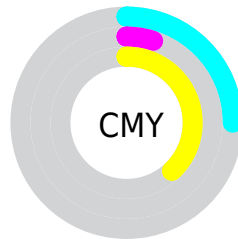


Cyan (21%)

Magenta (0%)

Yellow (35%)

Black (5%)



Cyan (25%)

Magenta (5%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 243, 209 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 158, 243, 209 by changing the saturation by 10% instead.

 158, 243, 209

255, 255, 255


 213, 255, 219


 242, 255, 242

 158, 243, 209

 131, 214, 181

 106, 187, 156

 80, 159, 129

 56, 133, 104

 32, 108, 81

 5, 83, 55

 0, 59, 52

 0, 38, 38

 0, 5, 5

 158, 243, 209

 158, 243, 209

 134, 243, 200

 182, 243, 218

 109, 243, 189

 207, 243, 229

 85, 243, 180

 231, 243, 238

 61, 243, 170

 250, 243, 255

 37, 243, 161

 255, 243, 255

 12, 243, 150

 0, 243, 146

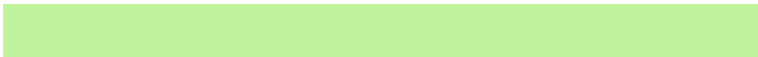
Harmonies

Analogous

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



150, 242, 138



158, 243, 209



135, 210, 250

Triad

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



158, 243, 209



109, 178, 255



255, 193, 213

Complementary

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



158, 243, 209



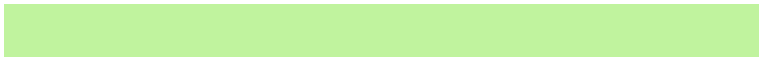
209, 158, 243

Split Complementary

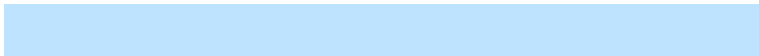
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 197, 255



158, 243, 209



189, 213, 255

Square

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



158, 243, 209



23, 138, 255



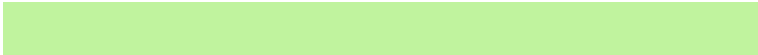
255, 210, 255



255, 218, 171

Rectangle

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



158, 243, 209



92, 178, 252



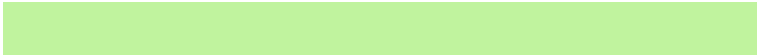
255, 210, 255



255, 193, 229

Sweetspot

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



158, 243, 209



230, 255, 245



215, 243, 158



112, 128, 122



0, 0, 0



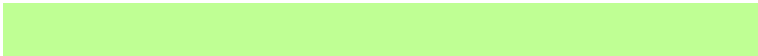
128, 128, 128

Same Dimension

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



158, 243, 209



148, 255, 212



158, 236, 243



110, 122, 117



0, 186, 112



0, 59, 36

Inverse Universe

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



209, 158, 243



212, 148, 255



243, 158, 235



118, 110, 122



112, 0, 186



35, 0, 59

Previews

White Background



This preview shows how the RYB color 158, 243, 209 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 158, 243, 209 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

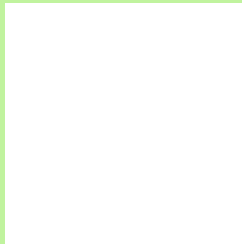
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 158, 243, 209 Background



This preview shows how black text looks on a background with the RYB color 158, 243, 209.

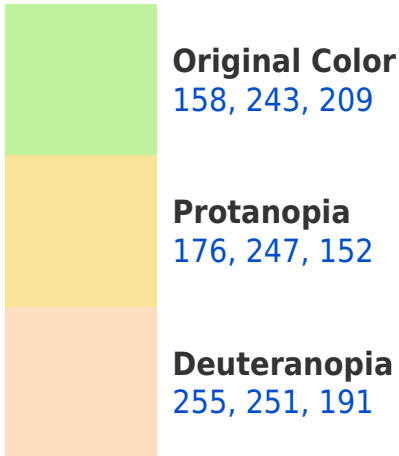


This preview shows how white text looks on a background with the RYB color 158, 243, 209.

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





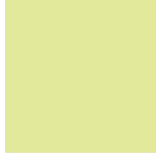
Tritanopia
206, 222, 250

Trichromacy



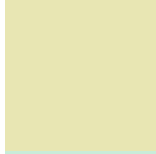
Original Color

158, 243, 209



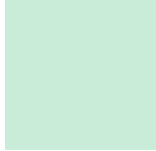
Protanomaly

154, 233, 160



Deuteranomaly

181, 232, 179



Tritanomaly

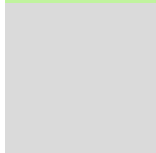
201, 225, 236

Monochromacy



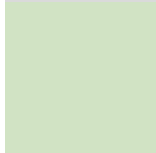
Original Color

158, 243, 209



Achromatopsia

218, 218, 218



Achromatomaly

196, 227, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 243, 209 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(192, 243, 158)` looks like.

```
.text, #text, p{  
    color:rgb(192, 243, 158)  
}
```

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(192, 243, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 243, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 243, 209 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(192, 243, 158) }
```

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

```
.border{ border-color:rgb(192, 243, 158) }
```

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

Here you see how a box with a 4 pixel rgb(192, 243, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 243, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 243, 158);  
box-shadow:4px 4px 4px 4px rgb(192, 243,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 243, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 243, 158) }
```

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

```
.background{ background-color: rgb(192,  
243, 158) }
```

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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