

Converting Colors

`RYB(158, 212, 243)`

Have a look what the booklet for
RYB(158, 212, 243) contains.

RYB(158, 212, 243)	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(158, 212, 243)

Conversions

Conversions Part 1

Format	Color
Hex	9EF3CF
RGB	158, 243, 207
RGB Percent	62%, 95%, 81%
CMY	0.3804, 0.0471, 0.1890
CMYK	0.35, 0.00, 0.15, 0.05
HSL	154°, 78%, 79%
HSV	154°, 35%, 95%
XYZ	57.3887, 75.8653, 70.5198
YIQ	213.4810, -39.1040, -29.2160

Conversions

Conversions Part 2

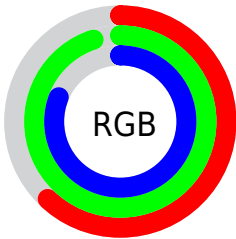
Format	Color
RYB	158, 212, 243
Decimal	10417103
CIELab	89.80, -33.42, 9.37
CIELCh	90, 34.706, 164.340
Yxy	75.8653, 0.2816, 0.3723
Android (android.graphics.Color)	4288607183 (0xFF9EF3CF)
YUV	213.4810, -3.1951, -48.6568
Hunter-Lab	87.1007, -34.8165, 12.9672

Details

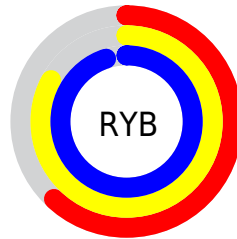
The RYB color **158, 212, 243** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **243, 158, 194**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **215, 235, 255**, and **103, 155, 186** is the 20% darker color. If you saturate the color by 10%, you get **134, 203, 243**, and if you desaturate by 10%, it is **182, 221, 243**.

Distribution



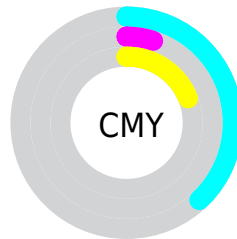
- Red (62%)
- Green (95%)
- Blue (81%)



- Red (62%)
- Yellow (83%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)



- Cyan (38%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 212, 243 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, 212, 243 by changing the saturation by 10% instead.


 158, 212, 243

255, 255, 255


 215, 235, 255

 244, 250, 255


 158, 212, 243

 130, 183, 214

 103, 155, 186

 76, 127, 159

 47, 99, 133

 11, 68, 107

 0, 49, 82

 0, 37, 58

 0, 29, 37

 0, 0, 0

 158, 212, 243


 158, 212, 243

 134, 203, 243


 182, 221, 243

 109, 194, 243


 207, 230, 243

 85, 185, 243


 231, 239, 243

 61, 177, 243

 255, 243, 248

 37, 168, 243

 255, 243, 255

 12, 159, 243

 0, 155, 243

Harmonies

Analogous

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



177, 238, 219



158, 212, 243



129, 187, 244

Triad

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



158, 212, 243



207, 219, 255



255, 221, 181

Complementary

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



158, 212, 243



243, 158, 194

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, 202, 211



158, 212, 243



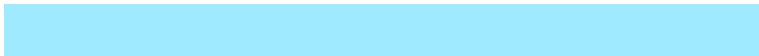
250, 212, 255

Square

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



158, 212, 243



159, 201, 255



255, 203, 245



223, 255, 162

Rectangle

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



158, 212, 243



123, 186, 255



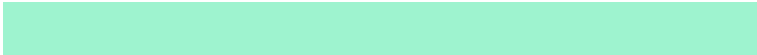
255, 203, 245



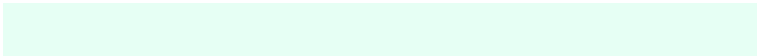
255, 210, 190

Sweetspot

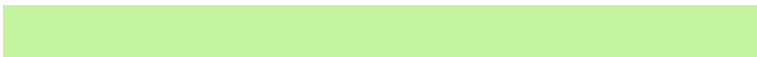
The Sweet Spot groups the original color and five complimentary colors.



158, 212, 243



230, 246, 255



158, 243, 206



112, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 212, 243



148, 216, 255



158, 199, 243



110, 118, 122



0, 118, 186



0, 37, 59

Inverse Universe

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



243, 158, 194



255, 148, 194



243, 164, 158



122, 110, 115



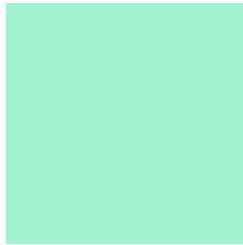
186, 0, 79



59, 0, 25

Previews

White Background



This preview shows how the RYB color 158, 212, 243 looks on a white background.

Color Contrast Check

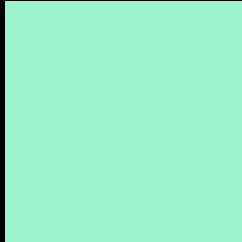
Large Text (above 18pt) WCAG AA × Fail

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, 212, 243 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, 212, 243 Background



This preview shows how black text looks on a background with the RYB color 158, 212, 243.

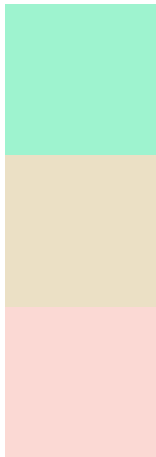


This preview shows how white text looks on a background with the RYB color 158, 212, 243.

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



Original Color
158, 212, 243

Protanopia
212, 235, 197

Deuteranopia
251, 218, 212



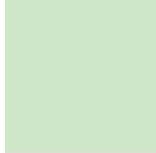
Tritanopia
169, 207, 255

Trichromacy



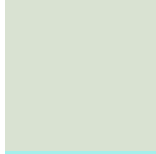
Original Color

158, 212, 243



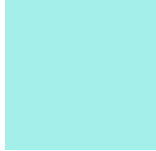
Protanomaly

201, 231, 225



Deuteranomaly

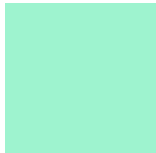
210, 226, 219



Tritanomaly

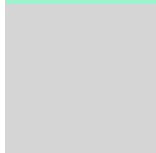
165, 203, 239

Monochromacy



Original Color

158, 212, 243



Achromatopsia

213, 213, 213



Achromatomaly

193, 213, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 212, 243 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(158, 243, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 243, 207)  
}
```

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(158, 243, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 243, 207) }
```

Border

The CSS property to change the border of an element to RYB 158, 212, 243 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(158, 243, 207) }
```

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

```
.border{ border-color:rgb(158, 243, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 243, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 243, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 243, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 243,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 158, 212, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 243, 207) }
```

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

```
.background{ background-color: rgb(158,  
243, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor