

Converting Colors

`RYB(158, 235, 233)`

Have a look what the booklet for
RYB(158, 235, 233) contains.

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Color

$\text{RYB}(158, 235, 233)$

Conversions

Conversions Part 1

Format	Color
Hex	A0EB9E
RGB	160, 235, 158
RGB Percent	63%, 92%, 62%
CMY	0.3725, 0.0784, 0.3804
CMYK	0.32, 0.00, 0.33, 0.08
HSL	118°, 66%, 77%
HSV	118°, 33%, 92%
XYZ	50.3771, 69.3589, 43.0802
YIQ	203.7970, -19.9830, -39.8470

Conversions

Conversions Part 2

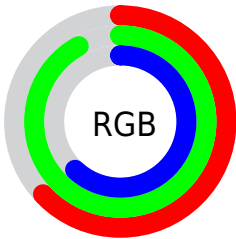
Format	Color
RYB	158, 235, 233
Decimal	10546078
CIELab	86.68, -37.95, 30.21
CIElCh	87, 48.509, 141.480
Yxy	69.3589, 0.3094, 0.4260
Android (android.graphics.Color)	4288736158 (0xFFA0EB9E)
YUV	203.7970, -22.5779, -38.4100
Hunter-Lab	83.2820, -37.7692, 27.6278

Details

The RYB color **158, 235, 233** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **233, 158, 235**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **213, 255, 251**, and **106, 179, 179** is the 20% darker color. If you saturate the color by 10%, you get **135, 235, 233**, and if you desaturate by 10%, it is **182, 235, 234**.

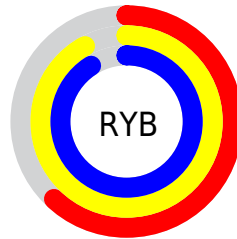
Distribution



Red (63%)

Green (92%)

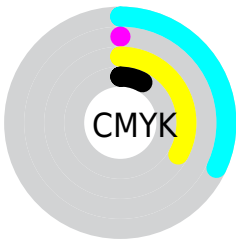
Blue (62%)



Red (62%)

Yellow (92%)

Blue (91%)

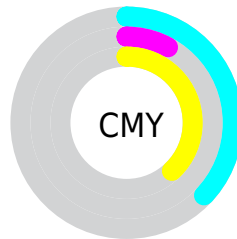


Cyan (32%)

Magenta (0%)

Yellow (33%)

Black (8%)



Cyan (37%)

Magenta (8%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 235, 233 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, 235, 233 by changing the saturation by 10% instead.

 158, 235, 233

255, 255, 255


 213, 255, 251


 242, 255, 251


 158, 235, 233

 132, 207, 206

 106, 179, 179

 79, 150, 152

 52, 120, 125

 21, 89, 100

 0, 66, 75

 0, 52, 52

 0, 31, 31

 0, 0, 0

■ 158, 235, 233

■ 158, 235, 233

■ 135, 235, 233

■ 182, 235, 234

■ 111, 235, 232

■ 205, 235, 234

■ 88, 235, 232

■ 229, 235, 235

■ 64, 235, 231

■ 252, 235, 252

■ 41, 235, 230

■ 255, 235, 255

■ 17, 235, 229

■ 0, 235, 229

Harmonies

Analogous

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



129, 224, 140



158, 235, 233



95, 179, 241

Triad

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



158, 235, 233



122, 180, 255



255, 182, 186

Complementary

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



158, 235, 233



233, 158, 235

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, 182, 232



158, 235, 233



202, 209, 255

Square

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



158, 235, 233



0, 123, 255



255, 193, 255



255, 230, 147

Rectangle

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



158, 235, 233



28, 136, 241



255, 193, 255



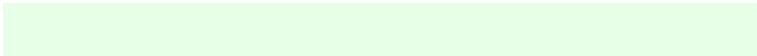
255, 181, 201

Sweetspot

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



158, 235, 233



230, 255, 255



161, 235, 158



112, 128, 127



0, 0, 0



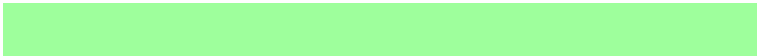
128, 128, 128

Same Dimension

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



158, 235, 233



156, 255, 253



158, 210, 235



106, 117, 117



0, 181, 176



0, 54, 53

Inverse Universe

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



233, 158, 235



252, 156, 255



235, 158, 199



117, 106, 117



176, 0, 181



52, 0, 54

Previews

White Background



This preview shows how the RYB color 158, 235, 233 looks on a white background.

Color Contrast Check

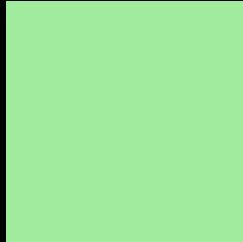
Large Text (above 18pt) WCAG AA × Fail

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, 235, 233 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, 235, 233 Background



This preview shows how black text looks on a background with the RYB color 158, 235, 233.

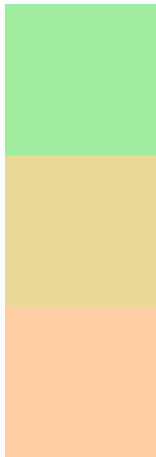


This preview shows how white text looks on a background with the RYB color 158, 235, 233.

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, 235, 233

Protanopia
171, 233, 150

Deuteranopia
254, 246, 164



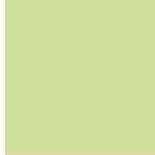
Tritanopia
175, 203, 242

Trichromacy



Original Color

158, 235, 233



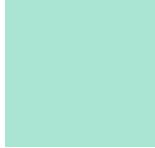
Protanomaly

153, 223, 170



Deuteranomaly

165, 220, 162



Tritanomaly

170, 204, 228

Monochromacy



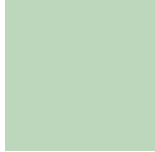
Original Color

158, 235, 233



Achromatopsia

204, 204, 204



Achromatomaly

187, 215, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 235, 233 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(160, 235, 158)` looks like.

```
.text, #text, p{  
    color:rgb(160, 235, 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(160, 235, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 235, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 235, 233 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(160, 235, 158) }
```

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

```
.border{ border-color:rgb(160, 235, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 235, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 235, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 235, 158);  
box-shadow:4px 4px 4px 4px rgb(160, 235,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 235, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 235, 158) }
```

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

```
.background{ background-color: rgb(160,  
235, 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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