

Converting Colors

`RYB(158, 255, 189)`

Have a look what the booklet for
RYB(158, 255, 189) contains.

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Color

R_YB(158, 255, 189)

Conversions

Conversions Part 1

Format	Color
Hex	E0FF9E
RGB	224, 255, 158
RGB Percent	88%, 100%, 62%
CMY	0.1216, 0.0000, 0.3804
CMYK	0.12, 0.00, 0.38, 0.00
HSL	79°, 100%, 81%
HSV	79°, 38%, 100%
XYZ	72.6720, 89.8359, 45.8576
YIQ	234.6730, 12.6610, -36.7390

Conversions

Conversions Part 2

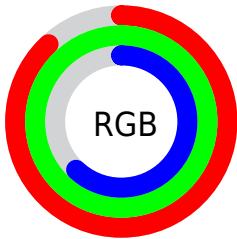
Format	Color
RYB	158, 255, 189
Decimal	14745502
CIELab	95.93, -25.24, 43.06
CIELCh	96, 49.918, 120.378
Yxy	89.8359, 0.3488, 0.4311
Android (android.graphics.Color)	4292935582 (0xFFE0FF9E)
YUV	234.6730, -37.7998, -9.3602
Hunter-Lab	94.7818, -29.0069, 37.6614

Details

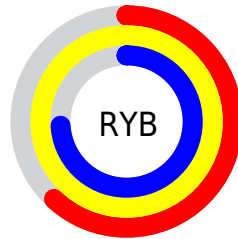
The RYB color **158, 255, 189** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **189, 158, 255**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **214, 255, 214**, and **105, 198, 136** is the 20% darker color. If you saturate the color by 10%, you get **132, 255, 171**, and if you desaturate by 10%, it is **184, 255, 207**.

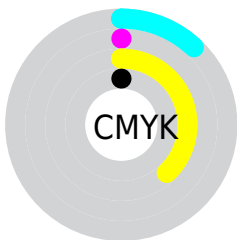
Distribution



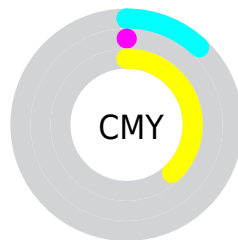
- Red (88%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (74%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 255, 189 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, 255, 189 by changing the saturation by 10% instead.

 158, 255, 189

255, 255, 255


 214, 255, 214


 242, 255, 242


 158, 255, 189


 131, 226, 162

 105, 198, 136

 80, 171, 111

 54, 144, 85

 29, 119, 61

 0, 94, 32

 0, 70, 32

 0, 47, 37

 0, 29, 29

■ 158, 255, 189

■ 158, 255, 189

■ 132, 255, 171

■ 184, 255, 207

■ 107, 255, 154

■ 209, 255, 224

■ 82, 255, 137

■ 235, 255, 242

■ 56, 255, 120

255, 255, 255

■ 31, 255, 103

■ 5, 255, 85

■ 0, 255, 81

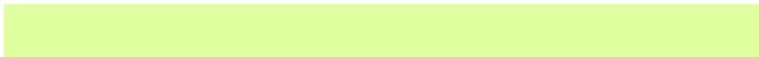
Harmonies

Analogous

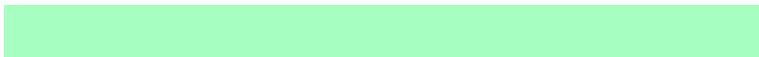
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



162, 255, 146



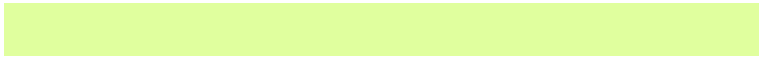
158, 255, 189



166, 234, 255

Triad

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



158, 255, 189



83, 169, 255



255, 206, 245

Complementary

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



158, 255, 189



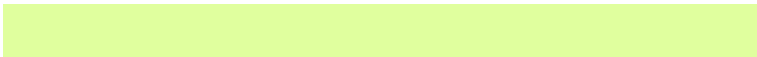
189, 158, 255

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, 214, 255



158, 255, 189



173, 212, 255

Square

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



158, 255, 189



13, 134, 255



249, 231, 255



255, 214, 197

Rectangle

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



158, 255, 189



122, 197, 255



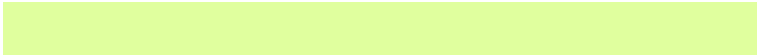
249, 231, 255



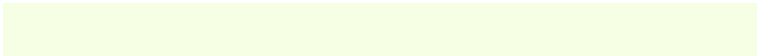
255, 207, 255

Sweetspot

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



158, 255, 189



227, 255, 236



255, 204, 158



111, 128, 117



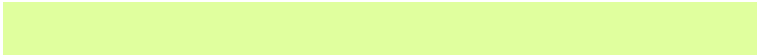
0, 0, 0



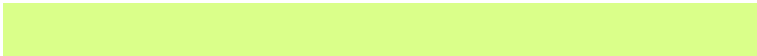
128, 128, 128

Same Dimension

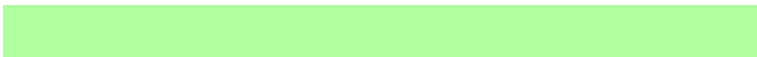
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 255, 189



138, 255, 175



158, 255, 237



115, 128, 120



0, 191, 61



0, 64, 21

Inverse Universe

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



189, 158, 255



175, 138, 255



237, 158, 255



119, 115, 128



61, 0, 191



20, 0, 64

Previews

White Background



This preview shows how the RYB color 158, 255, 189 looks on a white background.

Color Contrast Check

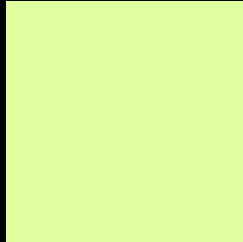
Large Text (above 18pt) WCAG AA × Fail

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, 255, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

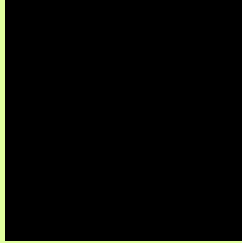
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

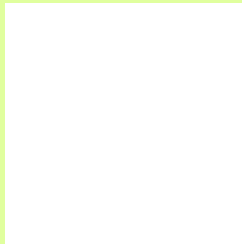
Any Text WCAG AAA ✓ Pass

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

RYB 158, 255, 189 Background



This preview shows how black text looks on a background with the RYB color 158, 255, 189.

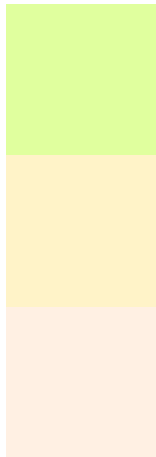


This preview shows how white text looks on a background with the RYB color 158, 255, 189.

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, 255, 189

Protanopia
215, 255, 200

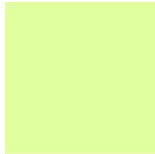
Deuteranopia
255, 251, 227



Tritanopia

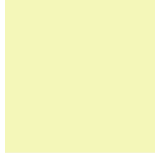
240, 243, 255

Trichromacy



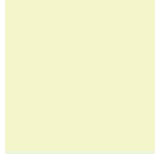
Original Color

158, 255, 189



Protanomaly

185, 247, 188



Deuteranomaly

202, 245, 203



Tritanomaly

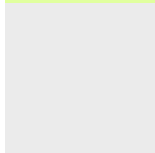
220, 247, 233

Monochromacy



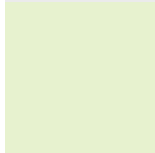
Original Color

158, 255, 189



Achromatopsia

235, 235, 235



Achromatomaly

207, 242, 218

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 255, 189 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(224, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 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(224, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 255, 189 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(224, 255, 158) }
```

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

```
.border{ border-color:rgb(224, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 255, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 158) }
```

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

```
.background{ background-color: rgb(224,  
255, 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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