

Converting Colors

`RYB(158, 250, 200)`

Have a look what the booklet for
RYB(158, 250, 200) contains.

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Color

R_YB(158, 250, 200)

Conversions

Conversions Part 1

Format	Color
Hex	D0FA9E
RGB	208, 250, 158
RGB Percent	82%, 98%, 62%
CMY	0.1843, 0.0196, 0.3804
CMYK	0.17, 0.00, 0.37, 0.02
HSL	87°, 90%, 80%
HSV	87°, 37%, 98%
XYZ	66.3696, 84.2497, 45.1115
YIQ	226.9540, 4.5000, -37.5160

Conversions

Conversions Part 2

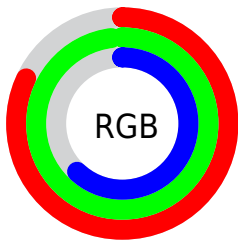
Format	Color
RYB	158, 250, 200
Decimal	13695646
CIELab	93.56, -28.65, 39.80
CIELCh	94, 49.035, 125.749
Yxy	84.2497, 0.3391, 0.4304
Android (android.graphics.Color)	4291885726 (0xFFD0FA9E)
YUV	226.9540, -33.9943, -16.6227
Hunter-Lab	91.7877, -31.5591, 35.1117

Details

The RYB color **158, 250, 200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **200, 158, 250**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **213, 255, 213**, and **105, 193, 146** is the 20% darker color. If you saturate the color by 10%, you get **133, 250, 186**, and if you desaturate by 10%, it is **183, 250, 214**.

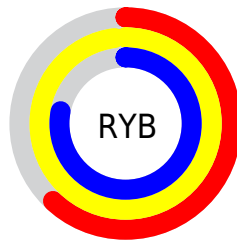
Distribution



Red (82%)

Green (98%)

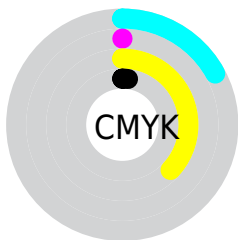
Blue (62%)



Red (62%)

Yellow (98%)

Blue (78%)

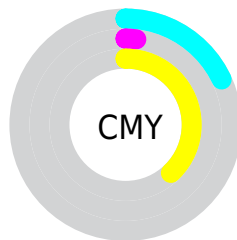


Cyan (17%)

Magenta (0%)

Yellow (37%)

Black (2%)



Cyan (18%)

Magenta (2%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 250, 200 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, 250, 200 by changing the saturation by 10% instead.

 158, 250, 200

255, 255, 255


 213, 255, 213

 242, 255, 242


 158, 250, 200

 131, 221, 172

 105, 193, 146

 80, 166, 121

 55, 140, 96

 30, 114, 71

 2, 89, 43

 0, 65, 41

 0, 43, 43

 0, 21, 21

 158, 250, 200

 158, 250, 200

 133, 250, 186

 183, 250, 214

 108, 250, 173

 208, 250, 227

 83, 250, 159

 233, 250, 241

 58, 250, 146

 254, 250, 255

 33, 250, 132

 255, 250, 255

 8, 250, 118

 0, 250, 114

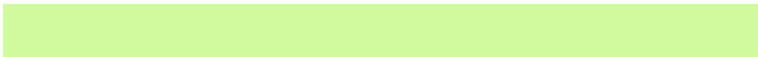
Harmonies

Analogous

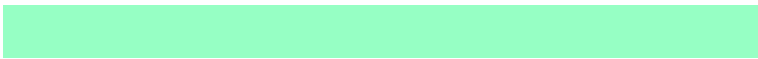
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



162, 255, 141



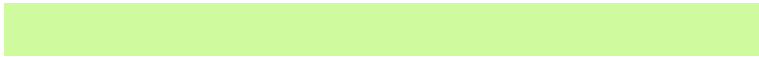
158, 250, 200



150, 223, 255

Triad

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



158, 250, 200



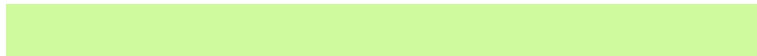
96, 175, 255



255, 199, 229

Complementary

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



158, 250, 200



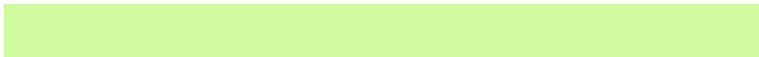
200, 158, 250

Split Complementary

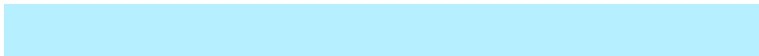
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 206, 255



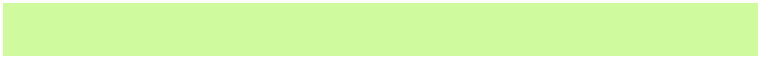
158, 250, 200



182, 214, 255

Square

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



158, 250, 200



0, 128, 255



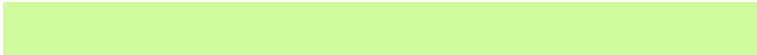
254, 221, 255



255, 216, 184

Rectangle

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



158, 250, 200



106, 188, 255



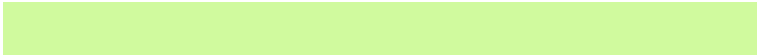
254, 221, 255



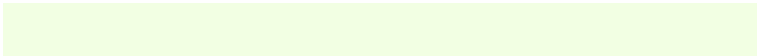
255, 200, 245

Sweetspot

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



158, 250, 200



227, 255, 240



250, 232, 158



111, 128, 119



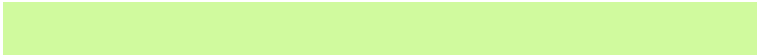
0, 0, 0



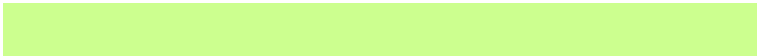
128, 128, 128

Same Dimension

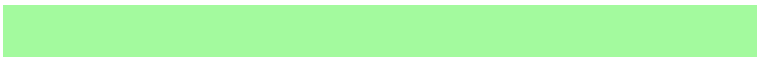
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 250, 200



143, 255, 194



158, 250, 245



112, 125, 118



0, 189, 86



0, 61, 28

Inverse Universe

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



200, 158, 250



194, 143, 255



245, 158, 250



118, 112, 125



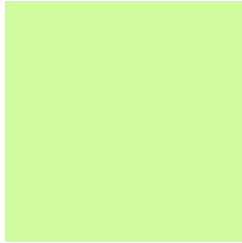
86, 0, 189



28, 0, 61

Previews

White Background



This preview shows how the RYB color 158, 250, 200 looks on a white background.

Color Contrast Check

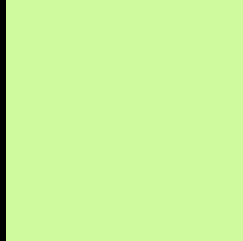
Large Text (above 18pt) WCAG AA × Fail

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, 250, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

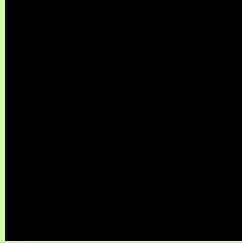
Any Text WCAG AA ✓ Pass

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, 250, 200 Background



This preview shows how black text looks on a background with the RYB color 158, 250, 200.

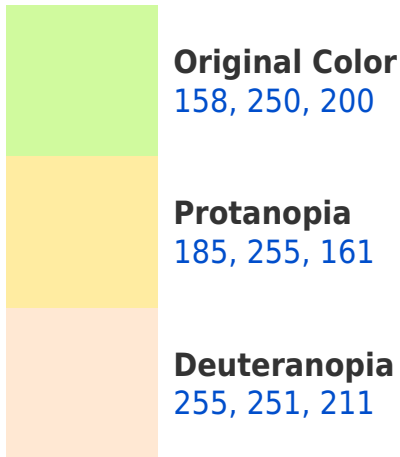


This preview shows how white text looks on a background with the RYB color 158, 250, 200.

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

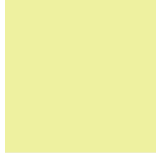
223, 233, 255

Trichromacy



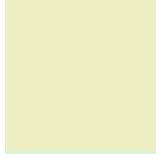
Original Color

158, 250, 200



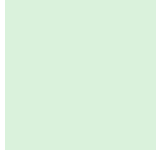
Protanomaly

160, 241, 163



Deuteranomaly

192, 239, 193



Tritanomaly

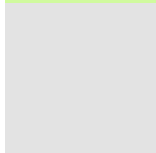
218, 240, 242

Monochromacy



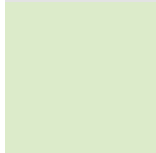
Original Color

158, 250, 200



Achromatopsia

227, 227, 227



Achromatomaly

202, 235, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 250, 200 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(208, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(208, 250, 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(208, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 250, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 250, 200 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(208, 250, 158) }
```

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

```
.border{ border-color:rgb(208, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(208, 250,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 250, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 250, 158) }
```

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

```
.background{ background-color: rgb(208,  
250, 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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