

Converting Colors

`RYB(158, 250, 203)`

Have a look what the booklet for
RYB(158, 250, 203) contains.

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Color

R_YB(158, 250, 203)

Conversions

Conversions Part 1

Format	Color
Hex	CDFA9E
RGB	205, 250, 158
RGB Percent	80%, 98%, 62%
CMY	0.1961, 0.0196, 0.3804
CMYK	0.18, 0.00, 0.37, 0.02
HSL	89°, 90%, 80%
HSV	89°, 37%, 98%
XYZ	65.5340, 83.8190, 45.0724
YIQ	226.0570, 2.7120, -38.1520

Conversions

Conversions Part 2

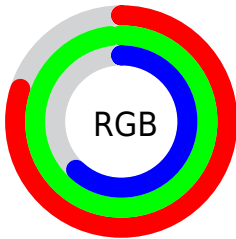
Format	Color
RYB	158, 250, 203
Decimal	13499038
CIELab	93.37, -29.71, 39.52
CIELCh	93, 49.440, 126.938
Yxy	83.8190, 0.3371, 0.4311
Android (android.graphics.Color)	4291689118 (0xFFCDDFA9E)
YUV	226.0570, -33.5521, -18.4670
Hunter-Lab	91.5527, -32.4458, 34.8978

Details

The RYB color **158, 250, 203** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **203, 158, 250**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **213, 255, 213**, and **105, 193, 149** is the 20% darker color. If you saturate the color by 10%, you get **133, 250, 190**, and if you desaturate by 10%, it is **183, 250, 216**.

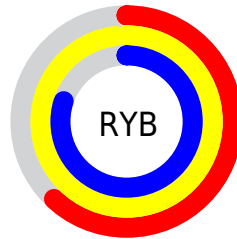
Distribution



Red (80%)

Green (98%)

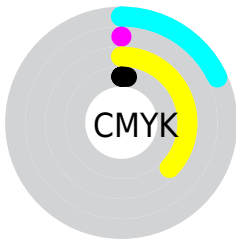
Blue (62%)



Red (62%)

Yellow (98%)

Blue (80%)

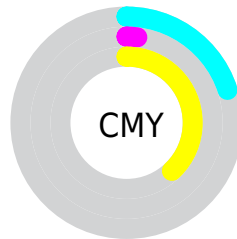


Cyan (18%)

Magenta (0%)

Yellow (37%)

Black (2%)



Cyan (20%)

Magenta (2%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 250, 203 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, 203 by changing the saturation by 10% instead.

 158, 250, 203

255, 255, 255


 213, 255, 213

 242, 255, 242

 158, 250, 203

 131, 221, 175


 105, 193, 149

 80, 166, 124

 55, 139, 98

 30, 114, 73

 2, 89, 46

 0, 65, 45

 0, 43, 43

 0, 20, 20

■ 158, 250, 203

■ 158, 250, 203

■ 133, 250, 190

■ 183, 250, 216

■ 108, 250, 177

■ 208, 250, 229

■ 83, 250, 165

■ 233, 250, 241

■ 58, 250, 152

■ 254, 250, 255

■ 33, 250, 139

■ 255, 250, 255

■ 8, 250, 126

■ 0, 250, 122

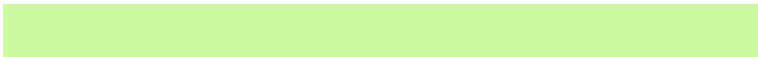
Harmonies

Analogous

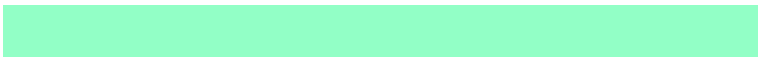
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



161, 255, 140



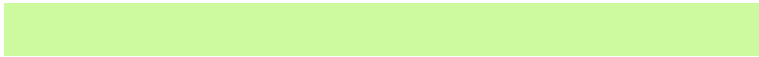
158, 250, 203



146, 220, 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, 203



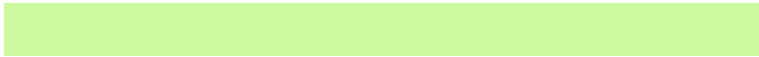
96, 174, 255



255, 198, 227

Complementary

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



158, 250, 203



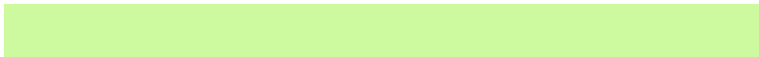
203, 158, 250

Split Complementary

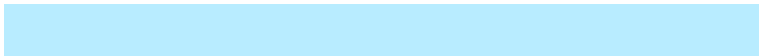
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 204, 255



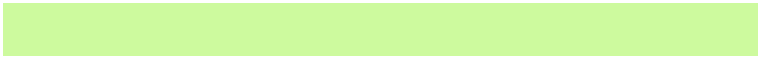
158, 250, 203



184, 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, 203



0, 128, 255



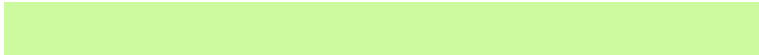
255, 220, 255



255, 217, 181

Rectangle

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



158, 250, 203



100, 185, 255



255, 220, 255



255, 199, 243

Sweetspot

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



158, 250, 203



227, 255, 241



250, 242, 158



111, 128, 120



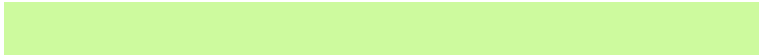
0, 0, 0



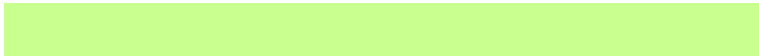
128, 128, 128

Same Dimension

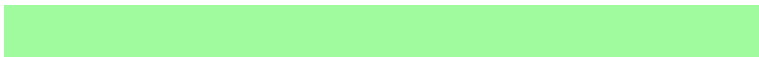
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 250, 203



143, 255, 198



158, 250, 248



112, 125, 118



0, 189, 93



0, 61, 30

Inverse Universe

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



203, 158, 250



198, 143, 255



248, 158, 250



119, 112, 125



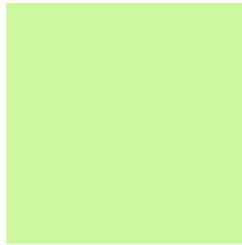
92, 0, 189



30, 0, 61

Previews

White Background



This preview shows how the RYB color 158, 250, 203 looks on a white background.

Color Contrast Check

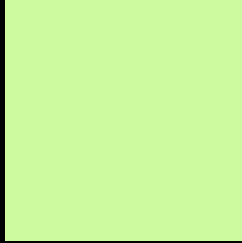
Large Text (above 18pt) WCAG AA × Fail

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, 203 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, 203 Background



This preview shows how black text looks on a background with the RYB color 158, 250, 203.

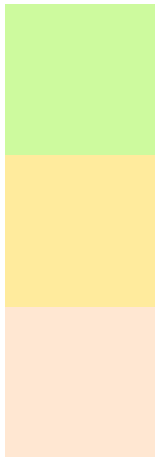


This preview shows how white text looks on a background with the RYB color 158, 250, 203.

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, 250, 203

Protanopia
182, 255, 157

Deuteranopia
255, 249, 210



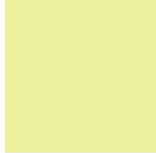
Tritanopia
221, 232, 255

Trichromacy



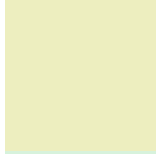
Original Color

158, 250, 203



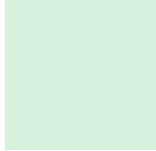
Protanomaly

157, 240, 160



Deuteranomaly

191, 238, 192



Tritanomaly

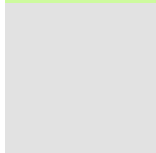
215, 238, 242

Monochromacy



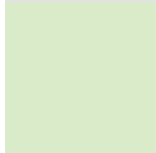
Original Color

158, 250, 203



Achromatopsia

226, 226, 226



Achromatomaly

201, 235, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 250, 203 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(205, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 250, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 250, 203 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(205, 250, 158) }
```

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

```
.border{ border-color:rgb(205, 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(205, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(205, 250,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 250, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 250, 158) }
```

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

```
.background{ background-color: rgb(205,  
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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