

Converting Colors

`RYB(158, 209, 216)`

Have a look what the booklet for
RYB(158, 209, 216) contains.

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Color

R_YB(158, 209, 216)

Conversions

Conversions Part 1

Format	Color
Hex	9ED8A6
RGB	158, 216, 166
RGB Percent	62%, 85%, 65%
CMY	0.3804, 0.1529, 0.3492
CMYK	0.27, 0.00, 0.23, 0.15
HSL	128°, 43%, 73%
HSV	128°, 27%, 85%
XYZ	45.5358, 59.1326, 45.0713
YIQ	192.9580, -18.5180, -27.8460

Conversions

Conversions Part 2

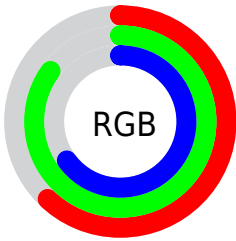
Format	Color
RYB	158, 209, 216
Decimal	10410150
CIELab	81.36, -28.44, 18.82
CIELCh	81, 34.097, 146.508
Yxy	59.1326, 0.3041, 0.3949
Android (android.graphics.Color)	4288600230 (0xFF9ED8A6)
YUV	192.9580, -13.2903, -30.6582
Hunter-Lab	76.8977, -28.8704, 19.0773

Details

The RYB color **158, 209, 216** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **216, 158, 208**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **214, 249, 255**, and **105, 153, 161** is the 20% darker color. If you saturate the color by 10%, you get **136, 206, 216**, and if you desaturate by 10%, it is **180, 212, 216**.

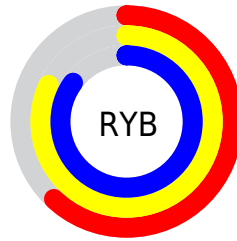
Distribution



Red (62%)

Green (85%)

Blue (65%)



Red (62%)

Yellow (82%)

Blue (85%)

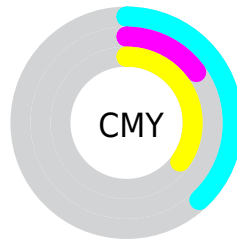


Cyan (27%)

Magenta (0%)

Yellow (23%)

Black (15%)



Cyan (38%)

Magenta (15%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 209, 216 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, 209, 216 by changing the saturation by 10% instead.

 158, 209, 216


255, 255, 255


 214, 249, 255

 242, 250, 255

 158, 209, 216

 131, 181, 188

 105, 153, 161

 79, 126, 134

 54, 99, 109

 29, 73, 84

 0, 45, 61

 0, 38, 38

 0, 9, 9

 0, 0, 0

■ 158, 209, 216

■ 158, 209, 216

■ 136, 206, 216

■ 180, 212, 216

■ 115, 204, 216

■ 201, 214, 216

■ 93, 201, 216

■ 223, 216, 222

■ 72, 199, 216

■ 244, 216, 241

■ 50, 196, 216

■ 255, 216, 255

■ 28, 193, 216

■ 7, 191, 216

■ 0, 190, 216

Harmonies

Analogous

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



144, 209, 158



158, 209, 216



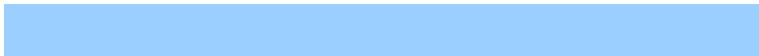
122, 178, 220

Triad

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



158, 209, 216



155, 189, 255



255, 180, 175

Complementary

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



158, 209, 216



216, 158, 208

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, 179, 207



158, 209, 216



202, 195, 255

Square

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



158, 209, 216



113, 172, 254



239, 185, 238



253, 210, 150

Rectangle

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



158, 209, 216



104, 162, 220



239, 185, 238



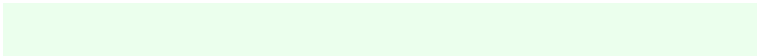
255, 179, 185

Sweetspot

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



158, 209, 216



235, 253, 255



158, 216, 166



115, 126, 128



0, 0, 0



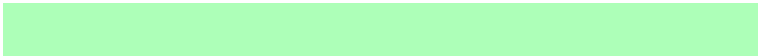
128, 128, 128

Same Dimension

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



158, 209, 216



173, 245, 255



158, 193, 216



96, 105, 107



0, 151, 171



0, 38, 43

Inverse Universe

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



216, 158, 208



255, 173, 244



216, 158, 179



107, 96, 106



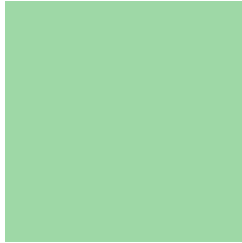
171, 0, 147



43, 0, 37

Previews

White Background



This preview shows how the RYB color 158, 209, 216 looks on a white background.

Color Contrast Check

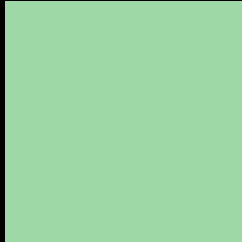
Large Text (above 18pt) WCAG AA × Fail

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, 209, 216 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, 209, 216 Background



This preview shows how black text looks on a background with the RYB color 158, 209, 216.

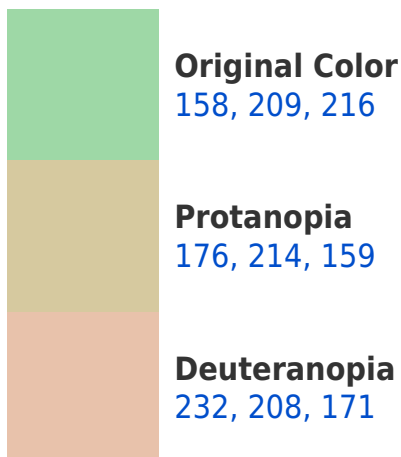


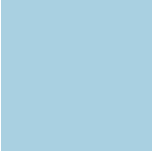
This preview shows how white text looks on a background with the RYB color 158, 209, 216.

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
169, 192, 225

Trichromacy



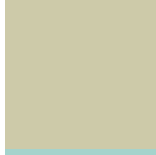
Original Color

158, 209, 216



Protanomaly

162, 206, 174



Deuteranomaly

172, 205, 169



Tritanomaly

165, 190, 211

Monochromacy



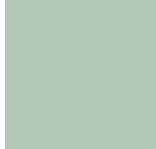
Original Color

158, 209, 216



Achromatopsia

193, 193, 193



Achromatomaly

180, 198, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 209, 216 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, 216, 166)` looks like.

```
.text, #text, p{  
    color:rgb(158, 216, 166)  
}
```

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, 216, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 216, 166) }
```

Border

The CSS property to change the border of an element to RYB 158, 209, 216 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, 216, 166) }
```

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

```
.border{ border-color:rgb(158, 216, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 216, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 216, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 216, 166);  
box-shadow:4px 4px 4px 4px rgb(158, 216,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 158, 209, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 216, 166) }
```

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

```
.background{ background-color: rgb(158,  
216, 166) }
```

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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