

Converting Colors

`RYB(158, 185, 209)`

Have a look what the booklet for
RYB(158, 185, 209) contains.

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Color

R_YB(158, 185, 209)

Conversions

Conversions Part 1

Format	Color
Hex	9ED1CB
RGB	158, 209, 203
RGB Percent	62%, 82%, 80%
CMY	0.3804, 0.1804, 0.2026
CMYK	0.24, 0.00, 0.03, 0.18
HSL	173°, 36%, 72%
HSV	173°, 24%, 82%
XYZ	47.7203, 57.1977, 65.2335
YIQ	193.0670, -28.4700, -12.6780

Conversions

Conversions Part 2

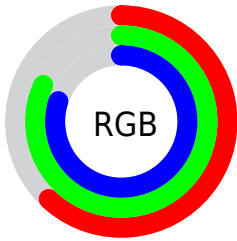
Format	Color
RYB	158, 185, 209
Decimal	10408395
CIELab	80.29, -17.65, -2.59
CIELCh	80, 17.837, 188.334
Yxy	57.1977, 0.2805, 0.3362
Android (android.graphics.Color)	4288598475 (0xFF9ED1CB)
YUV	193.0670, 4.8970, -30.7538
Hunter-Lab	75.6292, -19.7217, 1.8002

Details

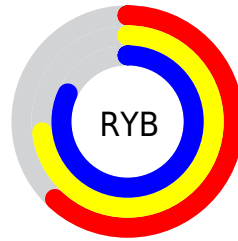
The RYB color **158, 185, 209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **209, 158, 164**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **214, 235, 255**, and **105, 131, 154** is the 20% darker color. If you saturate the color by 10%, you get **137, 175, 209**, and if you desaturate by 10%, it is **179, 195, 209**.

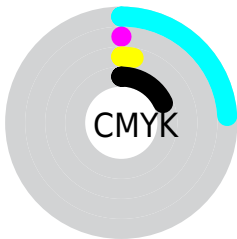
Distribution



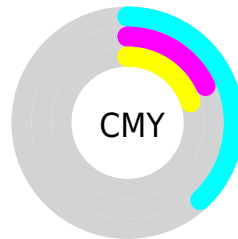
- Red (62%)
- Green (82%)
- Blue (80%)



- Red (62%)
- Yellow (73%)
- Blue (82%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)



- Cyan (38%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 185, 209 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, 185, 209 by changing the saturation by 10% instead.


 158, 185, 209


255, 255, 255


 214, 235, 255

 242, 249, 255

 158, 185, 209

 131, 157, 181


 105, 131, 154

 80, 105, 128

 55, 80, 103

 29, 55, 79

 0, 29, 56

 0, 18, 34

 0, 2, 7

 0, 0, 0

■ 158, 185, 209

■ 158, 185, 209

■ 137, 175, 209

■ 179, 195, 209

■ 116, 165, 209

■ 200, 205, 209

■ 95, 155, 209

■ 221, 209, 210

■ 74, 145, 209

■ 242, 209, 213

■ 54, 136, 209

■ 255, 209, 215

■ 33, 126, 209

■ 255, 209, 217

■ 12, 116, 209

■ 255, 209, 220

■ 0, 111, 209

■ 255, 209, 222

■ 255, 209, 224

Harmonies

Analogous

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



171, 197, 208



158, 185, 209



156, 184, 219

Triad

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



158, 185, 209



208, 193, 225



223, 216, 169

Complementary

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



158, 185, 209



209, 158, 164

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.



233, 193, 179



158, 185, 209



225, 189, 212

Square

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



158, 185, 209



187, 196, 232



234, 188, 195



176, 208, 166

Rectangle

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



158, 185, 209



162, 188, 227



234, 188, 195



227, 205, 171

Sweetspot

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



158, 185, 209



237, 247, 255



158, 209, 203



117, 123, 128



0, 0, 0



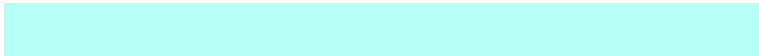
128, 128, 128

Same Dimension

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



158, 185, 209



181, 220, 255



158, 177, 209



94, 100, 105



0, 89, 168



0, 22, 41

Inverse Universe

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



209, 158, 164



255, 181, 189



209, 191, 158



105, 94, 95



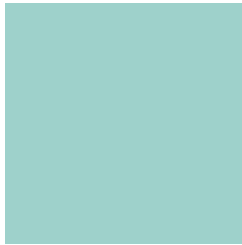
168, 0, 19



41, 0, 5

Previews

White Background



This preview shows how the RYB color 158, 185, 209 looks on a white background.

Color Contrast Check

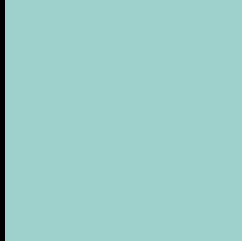
Large Text (above 18pt) WCAG AA × Fail

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, 185, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

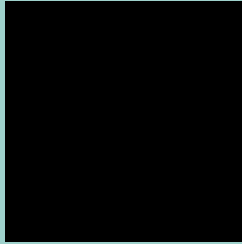
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

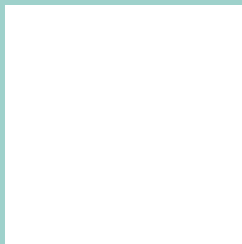
Any Text WCAG AAA ✓ Pass

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

RYB 158, 185, 209 Background



This preview shows how black text looks on a background with the RYB color 158, 185, 209.

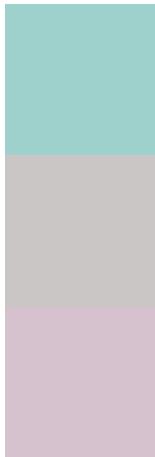


This preview shows how white text looks on a background with the RYB color 158, 185, 209.

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, 185, 209

Protanopia
202, 198, 197

Deuteranopia
214, 193, 207



Tritanopia
162, 188, 223

Trichromacy



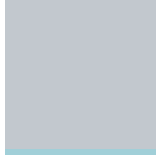
Original Color

158, 185, 209



Protanomaly

186, 195, 202



Deuteranomaly

194, 198, 206



Tritanomaly

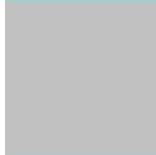
161, 186, 216

Monochromacy



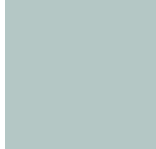
Original Color

158, 185, 209



Achromatopsia

193, 193, 193



Achromatomaly

180, 190, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 185, 209 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, 209, 203)` looks like.

```
.text, #text, p{  
    color:rgb(158, 209, 203)  
}
```

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, 209, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 209, 203) }
```

Border

The CSS property to change the border of an element to RYB 158, 185, 209 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, 209, 203) }
```

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

```
.border{ border-color:rgb(158, 209, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 209, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 209, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 209, 203);  
box-shadow:4px 4px 4px 4px rgb(158, 209,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 158, 185, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 209, 203) }
```

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

```
.background{ background-color: rgb(158,  
209, 203) }
```

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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