

Converting Colors

`RYB(159, 197, 219)`

Have a look what the booklet for
RYB(159, 197, 219) contains.

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Color

$\text{RYB}(159, 197, 219)$

Conversions

Conversions Part 1

Format	Color
Hex	9FDBC2
RGB	159, 219, 194
RGB Percent	62%, 86%, 76%
CMY	0.3765, 0.1412, 0.2402
CMYK	0.27, 0.00, 0.12, 0.14
HSL	155°, 45%, 74%
HSV	155°, 27%, 86%
XYZ	49.3377, 61.9172, 60.2350
YIQ	198.2100, -27.7350, -20.4950

Conversions

Conversions Part 2

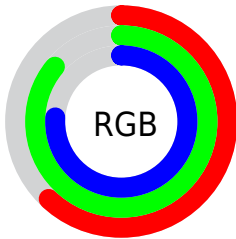
Format	Color
RYB	159, 197, 219
Decimal	10476482
CIELab	82.87, -24.32, 6.28
CIELCh	83, 25.122, 165.519
Yxy	61.9172, 0.2877, 0.3611
Android (android.graphics.Color)	4288666562 (0xFF9FDBC2)
YUV	198.2100, -2.0755, -34.3872
Hunter-Lab	78.6875, -25.7822, 9.6950

Details

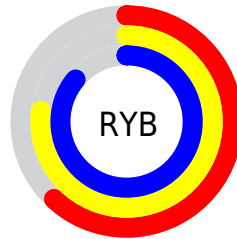
The RYB color **159, 197, 219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **219, 159, 184**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **215, 236, 255**, and **106, 143, 164** is the 20% darker color. If you saturate the color by 10%, you get **137, 189, 219**, and if you desaturate by 10%, it is **181, 205, 219**.

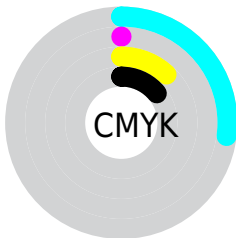
Distribution



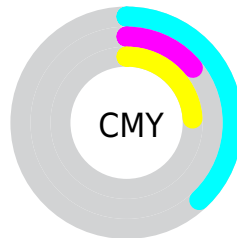
- Red (62%)
- Green (86%)
- Blue (76%)



- Red (62%)
- Yellow (77%)
- Blue (86%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)



- Cyan (38%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 197, 219 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 159, 197, 219 by changing the saturation by 10% instead.


 159, 197, 219

255, 255, 255


 215, 236, 255

 244, 250, 255

 159, 197, 219

 132, 169, 191

 106, 143, 164


 80, 115, 137

 55, 90, 112

 29, 64, 87

 0, 37, 63


 0, 26, 41


 0, 18, 18

 0, 0, 0

 159, 197, 219


 159, 197, 219

 137, 189, 219


 181, 205, 219

 115, 181, 219


 203, 213, 219

 93, 173, 219


 225, 219, 221

 71, 165, 219

 247, 219, 231

 50, 157, 219


 255, 219, 240

 28, 149, 219

 255, 219, 249

 6, 141, 219

 255, 219, 255

 0, 139, 219

Harmonies

Analogous

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



173, 215, 203



159, 197, 219



142, 182, 220

Triad

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



159, 197, 219



195, 203, 252



251, 201, 174

Complementary

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



159, 197, 219



219, 159, 184

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, 190, 195



159, 197, 219



225, 196, 240

Square

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



159, 197, 219



164, 195, 251



247, 191, 219



224, 235, 161

Rectangle

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



159, 197, 219



140, 183, 233



247, 191, 219



253, 194, 180

Sweetspot

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



159, 197, 219



235, 248, 255



159, 219, 193



115, 123, 128



0, 0, 0



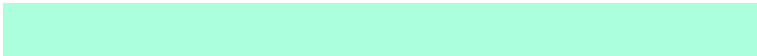
128, 128, 128

Same Dimension

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



159, 197, 219



171, 224, 255



159, 188, 219



99, 106, 110



0, 110, 173



0, 29, 46

Inverse Universe

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



219, 159, 184



255, 171, 206



219, 163, 159



110, 99, 103



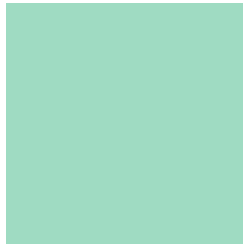
173, 0, 73



46, 0, 19

Previews

White Background



This preview shows how the RYB color 159, 197, 219 looks on a white background.

Color Contrast Check

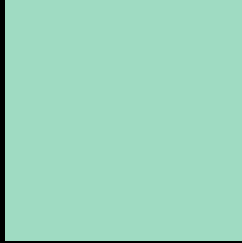
Large Text (above 18pt) WCAG AA × Fail

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 159, 197, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

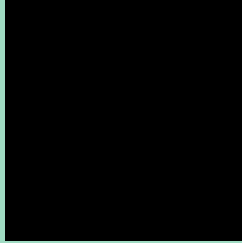
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

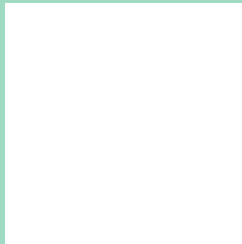
Any Text WCAG AAA ✓ Pass

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

RYB 159, 197, 219 Background



This preview shows how black text looks on a background with the RYB color 159, 197, 219.

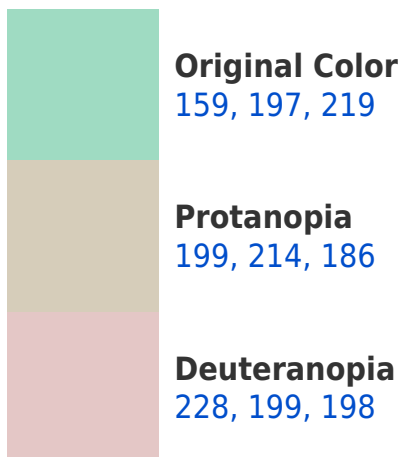


This preview shows how white text looks on a background with the RYB color 159, 197, 219.

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
167, 194, 231

Trichromacy



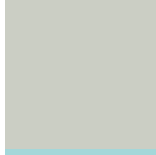
Original Color

159, 197, 219



Protanomaly

189, 210, 205



Deuteranomaly

196, 206, 199



Tritanomaly

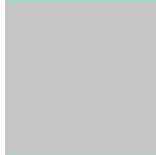
164, 190, 217

Monochromacy



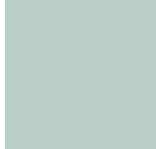
Original Color

159, 197, 219



Achromatopsia

198, 198, 198



Achromatomaly

184, 198, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 197, 219 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(159, 219, 194)` looks like.

```
.text, #text, p{  
    color:rgb(159, 219, 194)  
}
```

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(159, 219, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 219, 194) }
```

Border

The CSS property to change the border of an element to RYB 159, 197, 219 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(159, 219, 194) }
```

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

```
.border{ border-color:rgb(159, 219, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 219, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 219, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 219, 194);  
box-shadow:4px 4px 4px 4px rgb(159, 219,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 159, 197, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 219, 194) }
```

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

```
.background{ background-color: rgb(159,  
219, 194) }
```

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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