

Converting Colors

`RYB(159, 200, 222)`

Have a look what the booklet for
RYB(159, 200, 222) contains.

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Color

R_YB(159, 200, 222)

Conversions

Conversions Part 1

Format	Color
Hex	9FDEC1
RGB	159, 222, 193
RGB Percent	62%, 87%, 76%
CMY	0.3765, 0.1294, 0.2439
CMYK	0.28, 0.00, 0.13, 0.13
HSL	152°, 49%, 75%
HSV	152°, 28%, 87%
XYZ	50.0232, 63.4550, 59.9496
YIQ	199.8570, -28.2390, -22.3750

Conversions

Conversions Part 2

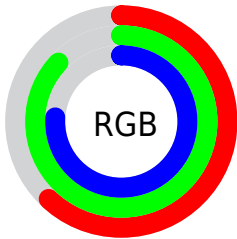
Format	Color
RYB	159, 200, 222
Decimal	10477249
CIELab	83.68, -25.97, 7.94
CIElCh	84, 27.158, 162.997
Yxy	63.4550, 0.2884, 0.3659
Android (android.graphics.Color)	4288667329 (0xFF9FDEC1)
YUV	199.8570, -3.3805, -35.8316
Hunter-Lab	79.6587, -27.3101, 11.1406

Details

The RYB color **159, 200, 222** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **222, 159, 188**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **215, 237, 255**, and **106, 146, 167** is the 20% darker color. If you saturate the color by 10%, you get **137, 192, 222**, and if you desaturate by 10%, it is **181, 208, 222**.

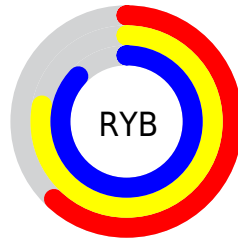
Distribution



Red (62%)

Green (87%)

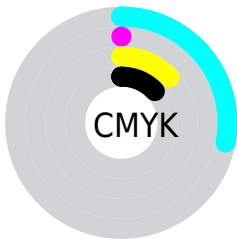
Blue (76%)



Red (62%)

Yellow (78%)

Blue (87%)

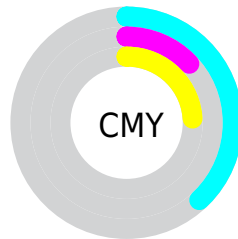


Cyan (28%)

Magenta (0%)

Yellow (13%)

Black (13%)



Cyan (38%)

Magenta (13%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 200, 222 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, 200, 222 by changing the saturation by 10% instead.


 159, 200, 222

255, 255, 255


 215, 237, 255

 244, 250, 255

 159, 200, 222

 132, 172, 194

 106, 146, 167

 80, 118, 140

 54, 92, 114

 28, 66, 89

 0, 40, 66


 0, 28, 43


 0, 21, 21

 0, 0, 0

 159, 200, 222


 159, 200, 222

 137, 192, 222


 181, 208, 222

 115, 185, 222


 203, 215, 222

 92, 177, 222


 226, 222, 224

 70, 169, 222

 248, 222, 234

 48, 161, 222

 255, 222, 244

 26, 154, 222

 255, 222, 255

 4, 146, 222

 0, 145, 222

Harmonies

Analogous

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



171, 218, 202



159, 200, 222



139, 182, 223

Triad

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



159, 200, 222



193, 204, 255



255, 200, 175

Complementary

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



159, 200, 222



222, 159, 188

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, 198



159, 200, 222



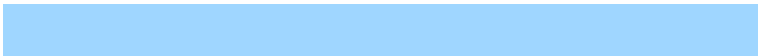
227, 198, 246

Square

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



159, 200, 222



159, 194, 255



251, 192, 224



235, 241, 160

Rectangle

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



159, 200, 222



135, 182, 235



251, 192, 224



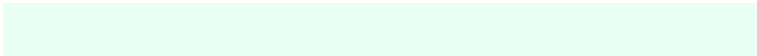
255, 194, 182

Sweetspot

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



159, 200, 222



232, 247, 255



159, 222, 193



113, 123, 128



0, 0, 0



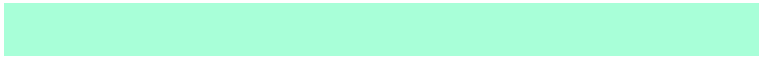
128, 128, 128

Same Dimension

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



159, 200, 222



168, 224, 255



159, 190, 222



101, 108, 112



0, 115, 176



0, 31, 48

Inverse Universe

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



222, 159, 188



255, 168, 208



222, 161, 159



112, 101, 106



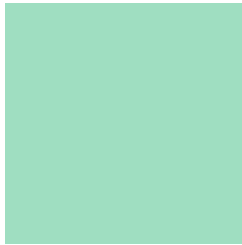
176, 0, 82



48, 0, 22

Previews

White Background



This preview shows how the RYB color 159, 200, 222 looks on a white background.

Color Contrast Check

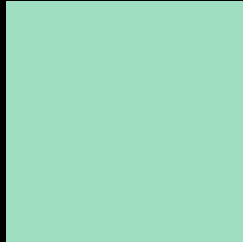
Large Text (above 18pt) WCAG AA × Fail

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, 200, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

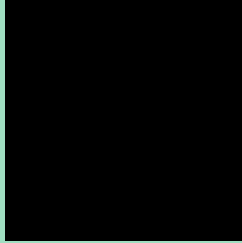
Any Text WCAG AA ✓ Pass

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, 200, 222 Background



This preview shows how black text looks on a background with the RYB color 159, 200, 222.

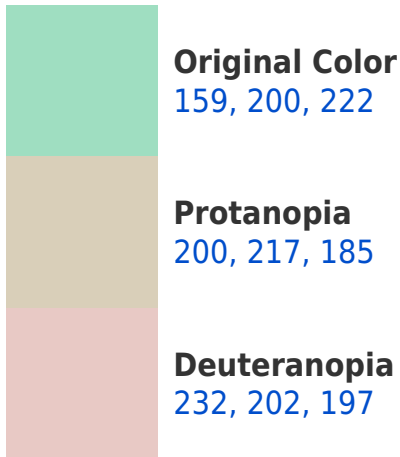


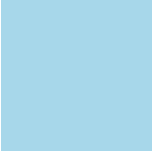
This preview shows how white text looks on a background with the RYB color 159, 200, 222.

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





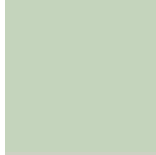
Tritanopia
167, 195, 234

Trichromacy



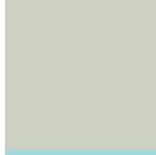
Original Color

159, 200, 222



Protanomaly

188, 212, 204



Deuteranomaly

195, 209, 199



Tritanomaly

164, 191, 219

Monochromacy



Original Color

159, 200, 222



Achromatopsia

200, 200, 200



Achromatomaly

185, 200, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 200, 222 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, 222, 193)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 193)  
}
```

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, 222, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 193) }
```

Border

The CSS property to change the border of an element to RYB 159, 200, 222 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, 222, 193) }
```

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

```
.border{ border-color:rgb(159, 222, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 222, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 193);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 159, 200, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 193) }
```

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

```
.background{ background-color: rgb(159,  
222, 193) }
```

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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