

Converting Colors

`RYB(159, 191, 233)`

Have a look what the booklet for
RYB(159, 191, 233) contains.

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Color

R_YB(159, 191, 233)

Conversions

Conversions Part 1

Format	Color
Hex	9FD7E9
RGB	159, 215, 233
RGB Percent	62%, 84%, 91%
CMY	0.3765, 0.1554, 0.0863
CMYK	0.32, 0.08, 0.00, 0.09
HSL	194°, 63%, 77%
HSV	194°, 32%, 91%
XYZ	53.4036, 62.0492, 86.2528
YIQ	200.3080, -39.1540, -6.2740

Conversions

Conversions Part 2

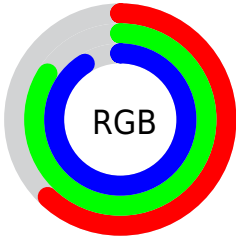
Format	Color
R _Y B	159, 191, 233
Decimal	10475497
CIE Lab	82.94, -13.88, -14.47
CIE LCh	83, 20.049, 226.195
Yxy	62.0492, 0.2648, 0.3076
Android (android.graphics.Color)	4288665577 (0xFF9FD7E9)
YUV	200.3080, 16.1172, -36.2271
Hunter-Lab	78.7713, -16.8344, -9.7813

Details

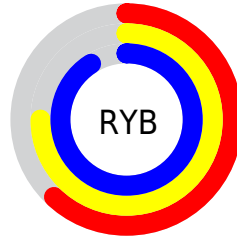
The RYB color **159, 191, 233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **233, 183, 159**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **215, 235, 255**, and **105, 136, 177** is the 20% darker color. If you saturate the color by 10%, you get **136, 178, 233**, and if you desaturate by 10%, it is **182, 204, 233**.

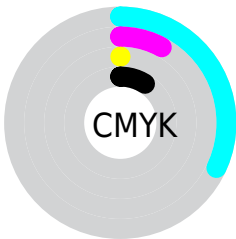
Distribution



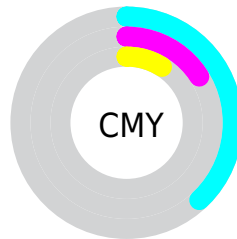
- Red (62%)
- Green (84%)
- Blue (91%)



- Red (62%)
- Yellow (75%)
- Blue (91%)



- Cyan (32%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 191, 233 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, 191, 233 by changing the saturation by 10% instead.

■ 159, 191, 233

255, 255, 255

■ 215, 235, 255

■ 245, 250, 255

■ 159, 191, 233

■ 132, 164, 205

■ 105, 137, 177

■ 78, 110, 151

■ 51, 84, 125

■ 21, 56, 100

■ 0, 34, 76


■ 0, 22, 53

■ 0, 12, 32


■ 0, 0, 6

 159, 191, 233


 159, 191, 233

 136, 178, 233


 182, 204, 233

 112, 164, 233


 206, 217, 233

 89, 151, 233


 229, 231, 233

 66, 138, 233

 252, 240, 233

 42, 125, 233

 255, 251, 233

 19, 112, 233

 241, 255, 233

 0, 101, 233

 234, 255, 233

 233, 255, 233

Harmonies

Analogous

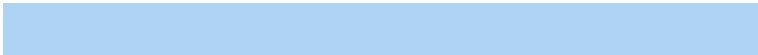
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



157, 187, 217



159, 191, 233



175, 199, 243

Triad

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



159, 191, 233



239, 194, 216



172, 211, 170

Complementary

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



159, 191, 233



233, 183, 159

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.



223, 230, 170



159, 191, 233



246, 194, 197

Square

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



159, 191, 233



222, 198, 233



242, 203, 180



180, 214, 205

Rectangle

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



159, 191, 233



190, 203, 244



242, 203, 180



183, 217, 169

Sweetspot

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



159, 191, 233



230, 241, 255



159, 219, 233



112, 119, 128



0, 0, 0



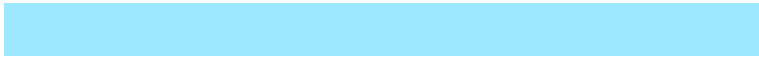
128, 128, 128

Same Dimension

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



159, 191, 233



158, 200, 255



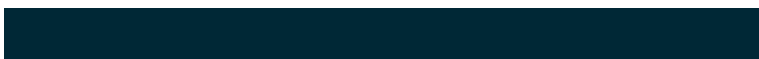
159, 175, 233



106, 111, 117



0, 78, 181



0, 23, 54

Inverse Universe

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



233, 159, 215



255, 158, 232



186, 233, 159



117, 106, 115



181, 0, 138



54, 0, 41

Previews

White Background



This preview shows how the RYB color 159, 191, 233 looks on a white background.

Color Contrast Check

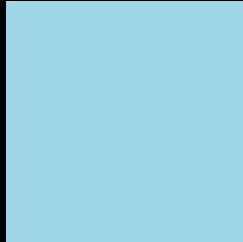
Large Text (above 18pt) WCAG AA × Fail

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, 191, 233 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, 191, 233 Background



This preview shows how black text looks on a background with the RYB color 159, 191, 233.

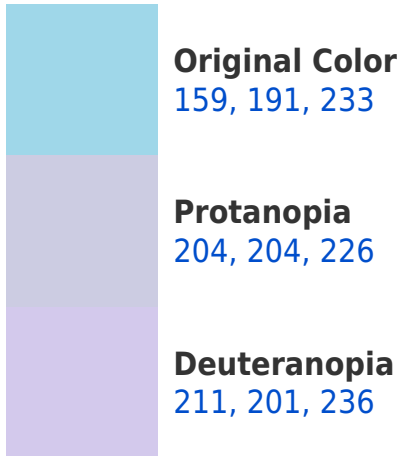


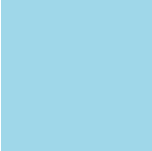
This preview shows how white text looks on a background with the RYB color 159, 191, 233.

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
159, 191, 233

Trichromacy



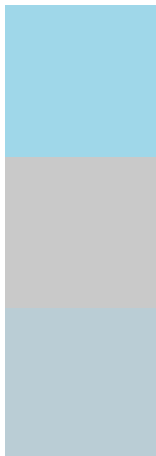
Original Color
159, 191, 233

Protanomaly
188, 201, 229

Deuteranomaly
192, 203, 235

Tritanomaly
159, 191, 233

Monochromacy



Original Color
159, 191, 233

Achromatopsia
201, 201, 201

Achromatomaly
186, 197, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 191, 233 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, 215, 233)` looks like.

```
.text, #text, p{  
    color:rgb(159, 215, 233)  
}
```

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, 215, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 215, 233) }
```

Border

The CSS property to change the border of an element to RYB 159, 191, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

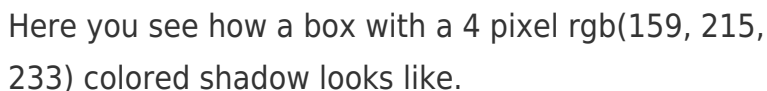
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 215, 233) }
```

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

```
.border{ border-color:rgb(159, 215, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 215, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 215, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 215, 233); box-shadow:4px 4px 4px 4px rgb(159, 215, 233) }
```

Background

The CSS property to change the background color of an element to RYB 159, 191, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 215, 233) }
```

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

```
.background{ background-color: rgb(159,  
215, 233) }
```

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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