

Converting Colors

`RYB(159, 179, 229)`

Have a look what the booklet for RYB(159, 179, 229) contains.

RYB(159, 179, 229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(159, 179, 229)

Conversions

Conversions Part 1

Format	Color
Hex	9FBBE5
RGB	159, 187, 229
RGB Percent	62%, 73%, 90%
CMY	0.3765, 0.2667, 0.1020
CMYK	0.31, 0.18, 0.00, 0.10
HSL	216°, 57%, 76%
HSV	216°, 31%, 90%
XYZ	46.2113, 48.5687, 81.0678
YIQ	183.4160, -30.1700, 7.1260

Conversions

Conversions Part 2

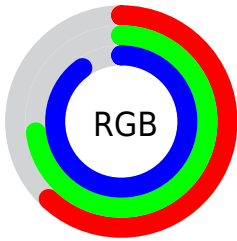
Format	Color
RYB	159, 179, 229
Decimal	10468325
CIELab	75.18, 0.14, -24.06
CIELCh	75, 24.060, 270.325
Yxy	48.5687, 0.2628, 0.2762
Android (android.graphics.Color)	4288658405 (0xFF9FBBE5)
YUV	183.4160, 22.4729, -21.4128
Hunter-Lab	69.6913, -3.5990, -20.1848

Details

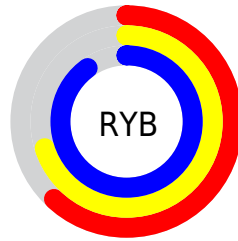
The RYB color **159, 179, 229** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **206, 229, 159**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **215, 231, 255**, and **106, 126, 173** is the 20% darker color. If you saturate the color by 10%, you get **136, 162, 229**, and if you desaturate by 10%, it is **182, 196, 229**.

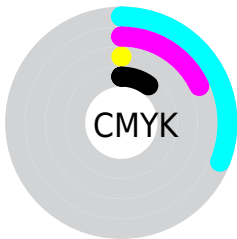
Distribution



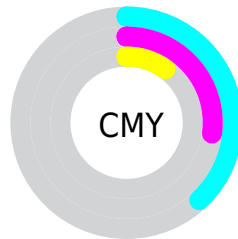
- Red (62%)
- Green (73%)
- Blue (90%)



- Red (62%)
- Yellow (70%)
- Blue (90%)



- Cyan (31%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (38%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 179, 229 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, 179, 229 by changing the saturation by 10% instead.


 159, 179, 229

255, 255, 255


 215, 231, 255

 244, 250, 255

 159, 179, 229

 132, 152, 201


 106, 126, 173

 80, 100, 147

 54, 75, 121

 27, 50, 96

 0, 26, 72

 0, 14, 49

 0, 2, 28

 0, 0, 0

■ 159, 179, 229

■ 159, 179, 229

■ 136, 162, 229

■ 182, 196, 229

■ 113, 146, 229

■ 205, 212, 229

■ 90, 130, 229

■ 228, 228, 229

■ 67, 113, 229

■ 244, 251, 229

■ 45, 97, 229

■ 229, 255, 229

■ 22, 81, 229

■ 0, 66, 229

Harmonies

Analogous

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



133, 169, 223



159, 179, 229



189, 179, 223

Triad

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



159, 179, 229



230, 172, 164



152, 186, 195

Complementary

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



159, 179, 229



206, 229, 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.



147, 191, 160



159, 179, 229



220, 195, 147

Square

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



159, 179, 229



228, 169, 186



167, 202, 141



131, 168, 198

Rectangle

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



159, 179, 229



207, 175, 214



167, 202, 141



156, 194, 189

Sweetspot

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



159, 179, 229



232, 238, 255



159, 203, 229



113, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 179, 229



161, 188, 255



166, 159, 229



103, 107, 115



0, 51, 179



0, 14, 51

Inverse Universe

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



229, 159, 187



255, 161, 198



159, 229, 166



115, 103, 108



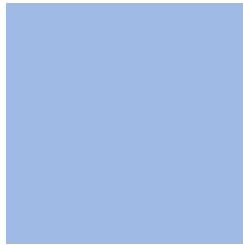
179, 0, 71



51, 0, 20

Previews

White Background



This preview shows how the RYB color 159, 179, 229 looks on a white background.

Color Contrast Check

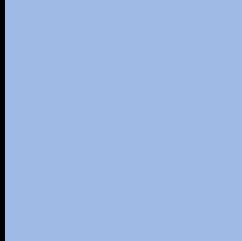
Large Text (above 18pt) WCAG AA × Fail

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, 179, 229 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](#).

RYP 159, 179, 229 Background



This preview shows how black text looks on a background with the RYP color 159, 179, 229.

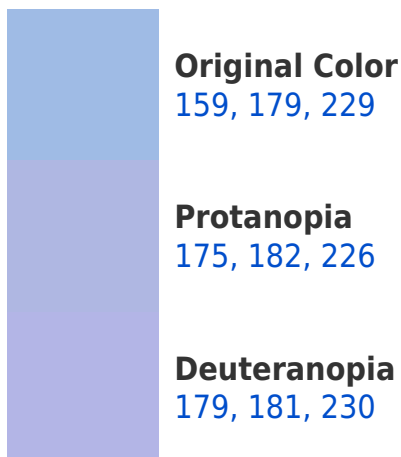


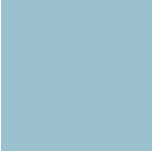
This preview shows how white text looks on a background with the RYP color 159, 179, 229.

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](#).

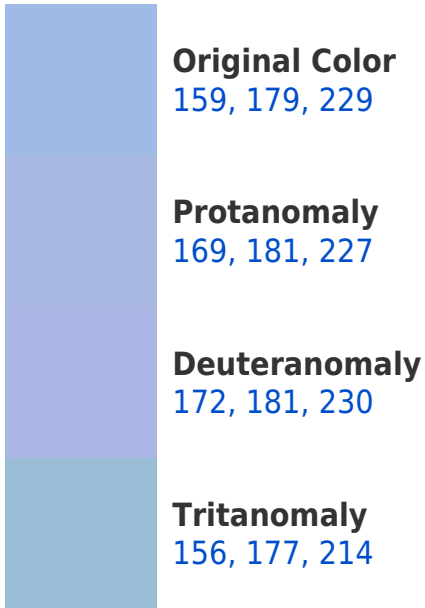
Dichromacy



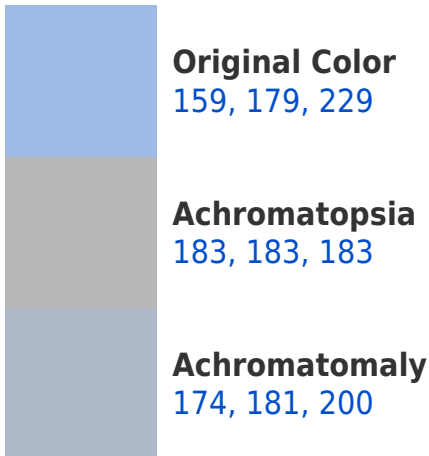


Tritanopia
154, 176, 206

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 179, 229 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, 187, 229)` looks like.

```
.text, #text, p{  
    color:rgb(159, 187, 229)  
}
```

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, 187, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 187, 229) }
```

Border

The CSS property to change the border of an element to RYB 159, 179, 229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

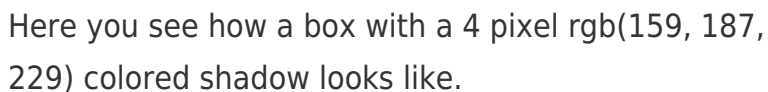
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 187, 229) }
```

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

```
.border{ border-color:rgb(159, 187, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 187, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 187, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 187, 229); box-shadow:4px 4px 4px 4px rgb(159, 187, 229) }
```

Background

The CSS property to change the background color of an element to RYB 159, 179, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 187, 229) }
```

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

```
.background{ background-color: rgb(159,  
187, 229) }
```

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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