

Converting Colors

`RYB(185, 159, 209)`

Have a look what the booklet for
RYB(185, 159, 209) contains.

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Color

$\text{RYB}(185, 159, 209)$

Conversions

Conversions Part 1

Format	Color
Hex	B99FD1
RGB	185, 159, 209
RGB Percent	73%, 62%, 82%
CMY	0.2745, 0.3765, 0.1804
CMYK	0.11, 0.24, 0.00, 0.18
HSL	271°, 35%, 72%
HSV	271°, 24%, 82%
XYZ	43.9143, 39.7140, 65.6726
YIQ	172.4740, -0.5540, 21.0620

Conversions

Conversions Part 2

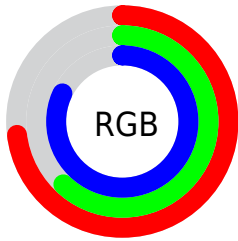
Format	Color
RYB	185, 159, 209
Decimal	12165073
CIELab	69.27, 19.02, -21.97
CIELCh	69, 29.058, 310.874
Yxy	39.7140, 0.2941, 0.2660
Android (android.graphics.Color)	4290355153 (0xFFB99FD1)
YUV	172.4740, 18.0073, 10.9853
Hunter-Lab	63.0191, 14.1030, -17.6732

Details

The RYB color **185, 159, 209** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **159, 209, 185**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **241, 214, 255**, and **131, 107, 154** is the 20% darker color. If you saturate the color by 10%, you get **175, 138, 209**, and if you desaturate by 10%, it is **195, 180, 209**.

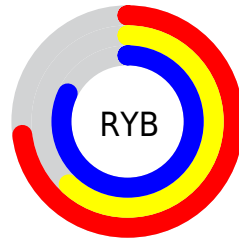
Distribution



Red (73%)

Green (62%)

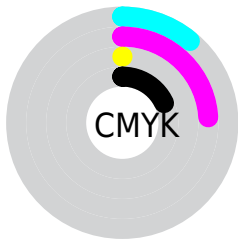
Blue (82%)



Red (73%)

Yellow (62%)

Blue (82%)

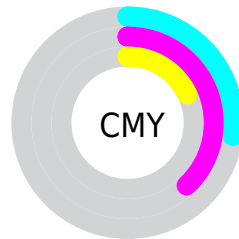


Cyan (11%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (27%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 159, 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 185, 159, 209 by changing the saturation by 10% instead.


 185, 159, 209

 185, 159, 209

255, 255, 255


 158, 133, 181

 241, 214, 255

 131, 107, 154


 255, 242, 255

 106, 83, 128

 81, 60, 103

 57, 38, 79

 35, 17, 56

 15, 0, 35

 0, 0, 8

 0, 0, 0

185, 159, 209

185, 159, 209

175, 138, 209

195, 180, 209

165, 117, 209

205, 201, 209

155, 96, 209

209, 222, 216

145, 75, 209

209, 243, 227

135, 54, 209

209, 255, 229

125, 34, 209

209, 255, 219

115, 13, 209

209, 255, 209

109, 0, 209

Harmonies

Analogous

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



149, 164, 220



185, 159, 209



210, 152, 187

Triad

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



185, 159, 209



201, 203, 120



93, 140, 184

Complementary

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



185, 159, 209



159, 209, 185

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.



118, 160, 182



185, 159, 209



125, 178, 117

Square

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



185, 159, 209



218, 159, 136



129, 178, 158



87, 139, 203

Rectangle

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



185, 159, 209



220, 150, 169



129, 178, 158



100, 146, 184

Sweetspot

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



185, 159, 209



246, 237, 255



159, 175, 209



123, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



185, 159, 209



220, 181, 255



209, 159, 208



100, 94, 105



88, 0, 168



21, 0, 41

Inverse Universe

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



209, 159, 183



255, 181, 217



159, 208, 209



105, 94, 99



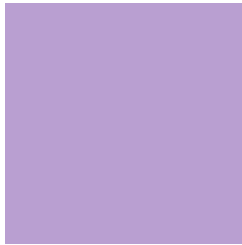
168, 0, 81



41, 0, 20

Previews

White Background



This preview shows how the RYB color 185, 159, 209 looks on a white background.

Color Contrast Check

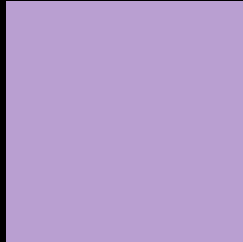
Large Text (above 18pt) WCAG AA × Fail

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 185, 159, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

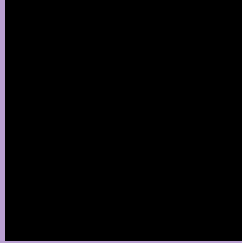
Any Text WCAG AA ✓ Pass

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 185, 159, 209 Background



This preview shows how black text looks on a background with the RYB color 185, 159, 209.

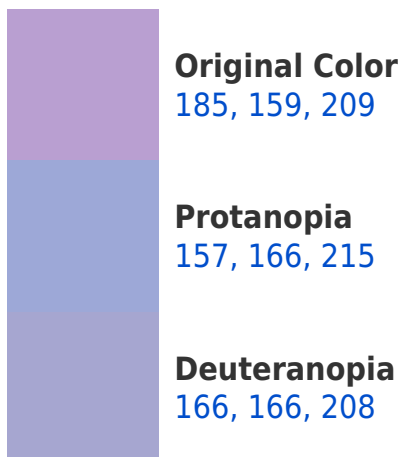



This preview shows how white text looks on a background with the RYB color 185, 159, 209.

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





Tritanopia
180, 165, 178

Trichromacy



Original Color
185, 159, 209

Protanomaly
167, 164, 213

Deuteranomaly
173, 163, 208

Tritanomaly
182, 163, 189

Monochromacy



Original Color
185, 159, 209

Achromatopsia
172, 172, 172

Achromatomaly
177, 167, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 159, 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(185, 159, 209)` looks like.

```
.text, #text, p{  
    color:rgb(185, 159, 209)  
}
```

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(185, 159, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 159, 209) }
```

Border

The CSS property to change the border of an element to RYB 185, 159, 209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

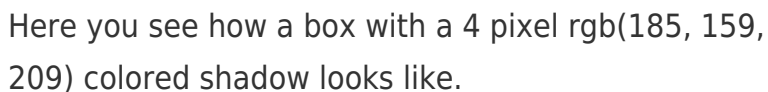
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 159, 209) }
```

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

```
.border{ border-color:rgb(185, 159, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 159, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 159, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 159, 209); box-shadow:4px 4px 4px 4px rgb(185, 159, 209) }
```

Background

The CSS property to change the background color of an element to RYB 185, 159, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 159, 209) }
```

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

```
.background{ background-color: rgb(185,  
159, 209) }
```

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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