

Converting Colors

`RYB(159, 159, 209)`

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

RYB(159, 159, 209)	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, 159, 209)

Conversions

Conversions Part 1

Format	Color
Hex	9F9FD1
RGB	159, 159, 209
RGB Percent	62%, 62%, 82%
CMY	0.3765, 0.3765, 0.1804
CMYK	0.24, 0.24, 0.00, 0.18
HSL	240°, 35%, 72%
HSV	240°, 24%, 82%
XYZ	38.2048, 36.7707, 65.4054
YIQ	164.7000, -16.0500, 15.5500

Conversions

Conversions Part 2

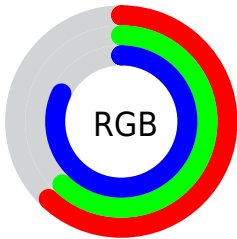
Format	Color
R_{YB}	159, 159, 209
Decimal	10461137
CIE _{Lab}	67.10, 10.79, -25.47
CIE _{LCh}	67, 27.661, 292.968
Yxy	36.7707, 0.2722, 0.2619
Android (android.graphics.Color)	4288651217 (0xFF9F9FD1)
YUV	164.7000, 21.8399, -4.9989
Hunter-Lab	60.6388, 6.3441, -21.5034

Details

The RYB color **159, 159, 209** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **159, 209, 159**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **214, 214, 255**, and **106, 108, 154** is the 20% darker color. If you saturate the color by 10%, you get **138, 138, 209**, and if you desaturate by 10%, it is **180, 180, 209**.

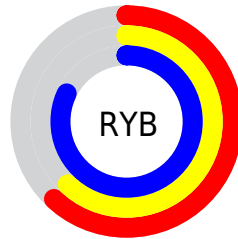
Distribution



Red (62%)

Green (62%)

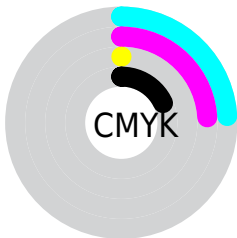
Blue (82%)



Red (62%)

Yellow (62%)

Blue (82%)

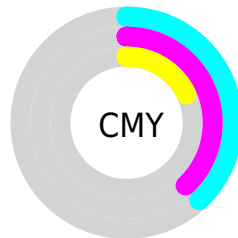


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients


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

 159, 159, 209

 159, 159, 209


255, 255, 255

 132, 133, 181


 214, 214, 255

 106, 108, 154

 243, 242, 255

 81, 83, 128

 57, 60, 103


 33, 38, 79

 7, 17, 56


 0, 2, 34


 0, 0, 8


 0, 0, 0

 159, 159, 209

 159, 159, 209

 138, 138, 209

 180, 180, 209

 117, 117, 209

 201, 201, 209

 96, 96, 209

 209, 222, 209

 75, 75, 209

 209, 243, 209

 54, 54, 209

 209, 255, 209

 34, 34, 209

 13, 13, 209

 0, 0, 209

Harmonies

Analogous

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



123, 152, 212



159, 159, 209



190, 151, 194

Triad

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



159, 159, 209



205, 164, 125



105, 147, 177

Complementary

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



159, 159, 209



159, 209, 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.



133, 174, 174



159, 159, 209



157, 187, 114

Square

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



159, 159, 209



213, 146, 145



117, 168, 124



87, 133, 182

Rectangle

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



159, 159, 209



204, 147, 179



117, 168, 124



114, 154, 176

Sweetspot

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



159, 159, 209



237, 237, 255



159, 184, 209



117, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 159, 209



181, 181, 255



184, 159, 209



94, 94, 105



0, 0, 168



0, 0, 41

Inverse Universe

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



209, 159, 209



255, 181, 255



159, 209, 184



105, 94, 105



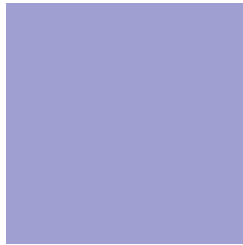
168, 0, 168



41, 0, 41

Previews

White Background



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

Color Contrast Check

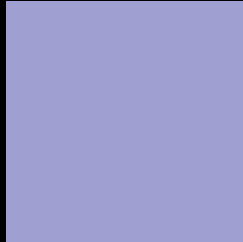
Large Text (above 18pt) WCAG AA × Fail

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 159, 159, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

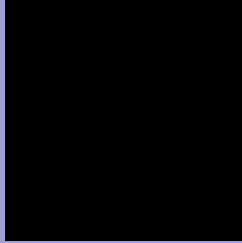
Any Text WCAG AA ✓ Pass

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 159, 159, 209 Background



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



This preview shows how white text looks on a background with the RYB color 159, 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](#).

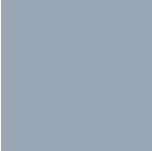
Dichromacy



Original Color
159, 159, 209

Protanopia
150, 159, 211

Deuteranopia
155, 160, 209



Tritanopia
153, 161, 178

Trichromacy



Original Color

159, 159, 209

Protanomaly

153, 159, 210

Deuteranomaly

156, 160, 209

Tritanomaly

155, 161, 189

Monochromacy



Original Color

159, 159, 209

Achromatopsia

165, 165, 165

Achromatomaly

163, 163, 181

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(159, 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(159, 159, 209) colored shadow looks like.

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

Border

The CSS property to change the border of an element to RYB 159, 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(159, 159, 209) }
```

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

```
.border{ border-color:rgb(159, 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(159, 159, 209)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to RYB 159, 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(159, 159, 209) }
```

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

```
.background{ background-color: rgb(159,  
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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