

Converting Colors

`RYB(158, 99, 209)`

Have a look what the booklet for
RYB(158, 99, 209) contains.

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Color

R_YB(158, 99, 209)

Conversions

Conversions Part 1

Format	Color
Hex	9E63D1
RGB	158, 99, 209
RGB Percent	62%, 39%, 82%
CMY	0.3804, 0.6118, 0.1804
CMYK	0.24, 0.53, 0.00, 0.18
HSL	272°, 54%, 60%
HSV	272°, 53%, 82%
XYZ	30.0710, 20.7962, 62.7508
YIQ	129.1810, -0.1460, 46.7180

Conversions

Conversions Part 2

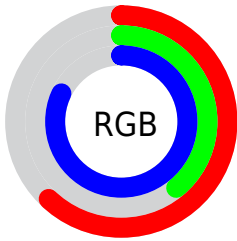
Format	Color
R _Y B	158, 99, 209
Decimal	10380241
CIE Lab	52.73, 44.47, -47.94
CIE LCh	53, 65.392, 312.846
Yxy	20.7962, 0.2647, 0.1830
Android (android.graphics.Color)	4288570321 (0xFF9E63D1)
YUV	129.1810, 39.3508, 25.2743
Hunter-Lab	45.6029, 37.8997, -49.6626

Details

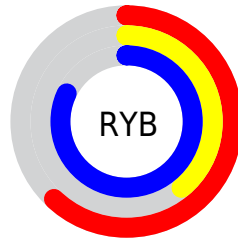
The RYB color **158, 99, 209** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **99, 209, 158**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **215, 152, 255**, and **103, 49, 154** is the 20% darker color. If you saturate the color by 10%, you get **148, 78, 209**, and if you desaturate by 10%, it is **168, 120, 209**.

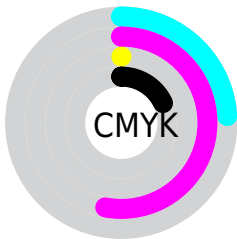
Distribution



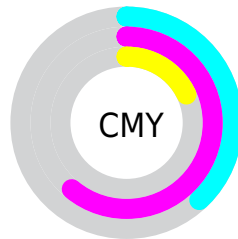
- Red (62%)
- Green (39%)
- Blue (82%)



- Red (62%)
- Yellow (39%)
- Blue (82%)



- Cyan (24%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)



















- Cyan (38%)
- Magenta (61%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 99, 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 158, 99, 209 by changing the saturation by 10% instead.

 158, 99, 209	 158, 99, 209
 255, 255, 255	 130, 74, 181
 215, 152, 255	 103, 49, 154
 244, 179, 255	 76, 23, 127
 255, 207, 255	 49, 0, 102
 255, 235, 255	 23, 0, 77
	 0, 0, 53
	 0, 2, 31
	 0, 0, 2
	 0, 0, 0

158, 99, 209

158, 99, 209

148, 78, 209

168, 120, 209

139, 57, 209

177, 141, 209

129, 36, 209

187, 162, 209

119, 15, 209

197, 183, 209

112, 0, 209

206, 204, 209

209, 224, 217

209, 245, 228

209, 255, 228

209, 255, 219

Harmonies

Analogous

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



24, 92, 236



158, 99, 209



209, 72, 160

Triad

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



158, 99, 209



105, 177, 0



0, 76, 151

Complementary

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



158, 99, 209



99, 209, 158

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.



0, 93, 149



158, 99, 209



0, 131, 2

Square

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



158, 99, 209



212, 96, 51



33, 143, 113



0, 86, 201

Rectangle

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



158, 99, 209



223, 64, 123



33, 143, 113



0, 81, 151

Sweetspot

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



158, 99, 209



236, 214, 255



99, 134, 209



116, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 99, 209



181, 94, 255



209, 99, 205



100, 94, 105



90, 0, 168



22, 0, 41

Inverse Universe

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



209, 99, 150



255, 94, 169



99, 205, 209



105, 94, 99



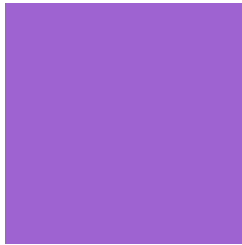
168, 0, 78



41, 0, 19

Previews

White Background



This preview shows how the RYB color 158, 99, 209 looks on a white background.

Color Contrast Check

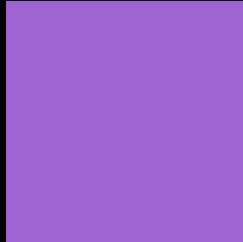
Large Text (above 18pt) WCAG AA ✓ Pass

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 158, 99, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

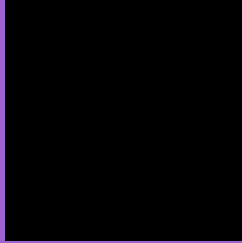
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 158, 99, 209 Background



This preview shows how black text looks on a background with the RYB color 158, 99, 209.

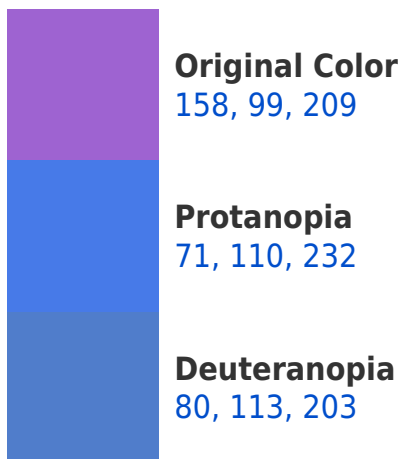



This preview shows how white text looks on a background with the RYB color 158, 99, 209.

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
144, 119, 128

Trichromacy



Original Color

158, 99, 209



Protanomaly

103, 113, 224



Deuteranomaly

108, 115, 205



Tritanomaly

149, 112, 157

Monochromacy



Original Color

158, 99, 209



Achromatopsia

129, 129, 129



Achromatomaly

140, 118, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 99, 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(158, 99, 209)` looks like.

```
.text, #text, p{  
    color:rgb(158, 99, 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(158, 99, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 99, 209) }
```

Border

The CSS property to change the border of an element to RYB 158, 99, 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(158, 99, 209) }
```

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

```
.border{ border-color:rgb(158, 99, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 99, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 99, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 99, 209);  
box-shadow:4px 4px 4px 4px rgb(158, 99,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 158, 99, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 99, 209) }
```

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

```
.background{ background-color: rgb(158, 99,  
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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