

Converting Colors

`RYB(159, 97, 209)`

Have a look what the booklet for
RYB(159, 97, 209) contains.

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Color

RYB(159, 97, 209)

Conversions

Conversions Part 1

Format	Color
Hex	9F61D1
RGB	159, 97, 209
RGB Percent	62%, 38%, 82%
CMY	0.3765, 0.6196, 0.1804
CMYK	0.24, 0.54, 0.00, 0.18
HSL	273°, 55%, 60%
HSV	273°, 54%, 82%
XYZ	30.0814, 20.5238, 62.6976
YIQ	128.3060, 1.0000, 47.9760

Conversions

Conversions Part 2

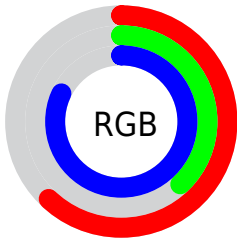
Format	Color
R_{YB}	159, 97, 209
Decimal	10445265
CIE _{Lab}	52.42, 45.81, -48.42
CIE _{LCh}	52, 66.652, 313.414
Yxy	20.5238, 0.2655, 0.1811
Android (android.graphics.Color)	4288635345 (0xFF9F61D1)
YUV	128.3060, 39.7821, 26.9186
Hunter-Lab	45.3032, 39.2438, -50.3426

Details

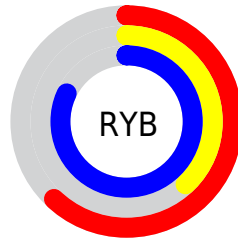
The RYB color **159, 97, 209** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **97, 209, 159**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **216, 150, 255**, and **104, 47, 154** is the 20% darker color. If you saturate the color by 10%, you get **150, 76, 209**, and if you desaturate by 10%, it is **168, 118, 209**.

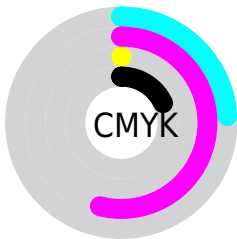
Distribution



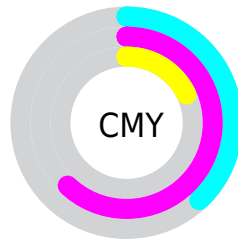
- Red (62%)
- Green (38%)
- Blue (82%)



- Red (62%)
- Yellow (38%)
- Blue (82%)



- Cyan (24%)
- Magenta (54%)
- Yellow (0%)
- Black (18%)



















- Cyan (38%)
- Magenta (62%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 97, 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, 97, 209 by changing the saturation by 10% instead.

 159, 97, 209	 159, 97, 209
 255, 255, 255	 131, 72, 181
 216, 150, 255	 104, 47, 154
 245, 177, 255	 77, 20, 127
 255, 205, 255	 50, 0, 102
 255, 234, 255	 24, 0, 77
	 0, 0, 53
	 0, 2, 31
	 0, 0, 2
	 0, 0, 0

■ 159, 97, 209

■ 159, 97, 209

■ 150, 76, 209

■ 168, 118, 209

■ 140, 55, 209

■ 178, 139, 209

■ 131, 34, 209

■ 187, 160, 209

■ 122, 13, 209

■ 196, 181, 209

■ 116, 0, 209

■ 206, 202, 209

■ 209, 222, 216

■ 209, 243, 228

■ 209, 255, 230

■ 209, 255, 221

Harmonies

Analogous

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



20, 90, 237



159, 97, 209



211, 69, 159

Triad

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



159, 97, 209



103, 176, 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.



159, 97, 209



97, 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.



0, 93, 149



159, 97, 209



0, 130, 3

Square

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



159, 97, 209



212, 94, 48



30, 143, 115



0, 86, 203

Rectangle

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



159, 97, 209



224, 60, 121



30, 143, 115



0, 81, 151

Sweetspot

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



159, 97, 209



237, 214, 255



97, 132, 209



117, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 97, 209



182, 92, 255



209, 97, 203



100, 94, 105



93, 0, 168



23, 0, 41

Inverse Universe

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



209, 97, 147



255, 92, 165



97, 203, 209



105, 94, 99



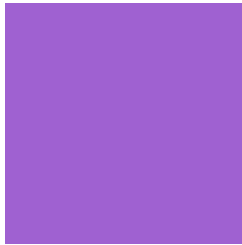
168, 0, 75



41, 0, 18

Previews

White Background



This preview shows how the RYB color 159, 97, 209 looks on a white background.

Color Contrast Check

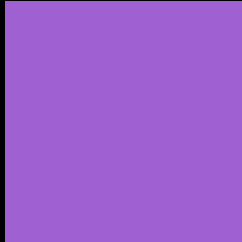
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 97, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

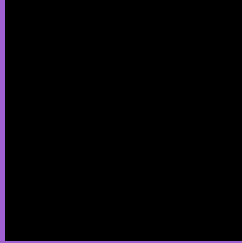
Any Text WCAG AA ✓ Pass

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 159, 97, 209 Background



This preview shows how black text looks on a background with the RYB color 159, 97, 209.

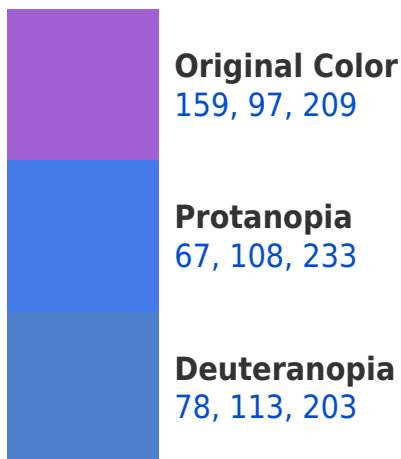



This preview shows how white text looks on a background with the RYB color 159, 97, 209.

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
145, 118, 127

Trichromacy



Original Color

159, 97, 209



Protanomaly

100, 112, 224



Deuteranomaly

107, 114, 205



Tritanomaly

150, 110, 157

Monochromacy



Original Color

159, 97, 209



Achromatopsia

128, 128, 128



Achromatomaly

139, 117, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 97, 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, 97, 209)` looks like.

```
.text, #text, p{  
    color:rgb(159, 97, 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, 97, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 97, 209) }
```

Border

The CSS property to change the border of an element to RYB 159, 97, 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, 97, 209) }
```

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

```
.border{ border-color:rgb(159, 97, 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, 97, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 97, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 97, 209);  
box-shadow:4px 4px 4px 4px rgb(159, 97,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 159, 97, 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, 97, 209) }
```

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

```
.background{ background-color: rgb(159, 97,  
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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