

# Converting Colors

RGB(159, 104, 215)

Have a look what the booklet for  
RGB(159, 104, 215) contains.

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# Color

**RGB(159, 104, 215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F68D7
RGB	159, 104, 215
RGB Percent	62%, 41%, 84%
CMY	0.3765, 0.5922, 0.1569
CMYK	0.26, 0.52, 0.00, 0.16
HSL	270°, 58%, 63%
HSV	270°, 52%, 84%
XYZ	31.5141, 22.1779, 66.9098
YIQ	133.0990, -2.8510, 46.1810

# Conversions

## Conversions Part 2

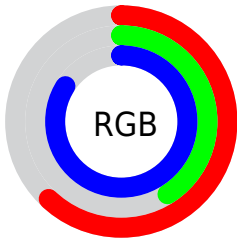
Format	Color
R <sub>Y</sub> B	159, 104, 215
Decimal	10447063
CIE Lab	54.22, 43.41, -48.97
CIE LCh	54, 65.447, 311.556
Yxy	22.1779, 0.2613, 0.1839
Android (android.graphics.Color)	4288637143 (0xFF9F68D7)
YUV	133.0990, 40.3772, 22.7152
Hunter-Lab	47.0934, 37.0360, -51.2732

# Details

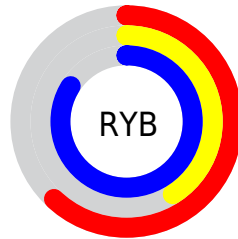
The RGB color **159, 104, 215** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **160, 215, 104**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **216, 157, 255**, and **104, 54, 160** is the 20% darker color. If you saturate the color by 10%, you get **148, 83, 215**, and if you desaturate by 10%, it is **170, 126, 215**.

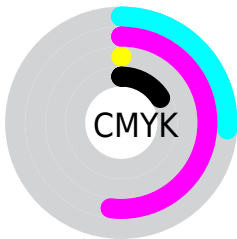
# Distribution



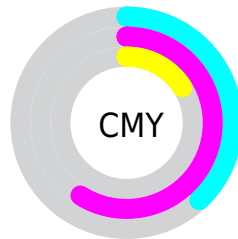
- Red (62%)
- Green (41%)
- Blue (84%)



- Red (62%)
- Yellow (41%)
- Blue (84%)



- Cyan (26%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (59%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 159, 104, 215 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 RGB color 159, 104, 215 by changing the saturation by 10% instead.



 159, 104, 215


255, 255, 255


 216, 157, 255

 245, 184, 255

 255, 212, 255

 255, 241, 255


 159, 104, 215

 131, 79, 187

 104, 54, 160

 77, 29, 133

 50, 1, 107

 21, 0, 82

 0, 0, 58


 0, 2, 36


 0, 0, 11

 0, 0, 0


 159, 104, 215

 159, 104, 215


 148, 83, 215

 170, 126, 215


 137, 61, 215

 181, 147, 215

 126, 40, 215

 192, 169, 215

 116, 18, 215

 202, 190, 215

 107, 0, 215

 213, 212, 215

 224, 233, 215

 235, 255, 215

 246, 255, 215

 255, 255, 215

# Harmonies

## Analogous

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



13, 129, 241



159, 104, 215



212, 77, 167

# Triad

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



159, 104, 215



184, 114, 0



0, 155, 151

# Complementary

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



159, 104, 215



160, 215, 104

# 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, 153, 92



159, 104, 215



136, 134, 0

# Square

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



159, 104, 215



218, 88, 57



71, 147, 34



0, 154, 204

# Rectangle

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



159, 104, 215



228, 68, 129



71, 147, 34



0, 155, 131



# Sweetspot

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



159, 104, 215



236, 217, 255



104, 161, 215



116, 105, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



159, 104, 215



175, 97, 255



213, 104, 215



102, 96, 107



85, 0, 171



21, 0, 43



# Inverse Universe

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



215, 104, 160



255, 97, 177



106, 215, 104



107, 96, 102



171, 0, 86

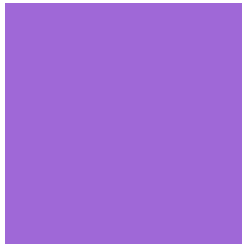


43, 0, 22



# Previews

## White Background



This preview shows how the RGB color 159, 104, 215 looks on a white background.

## Color Contrast Check

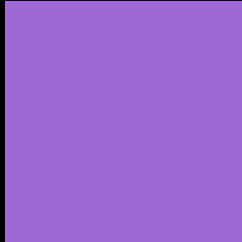
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 159, 104, 215 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](#).



## RGB 159, 104, 215 Background



This preview shows how black text looks on a background with the RGB color 159, 104, 215.

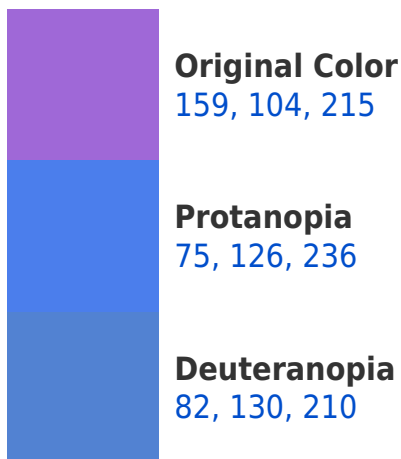


This preview shows how white text looks on a background with the RGB color 159, 104, 215.

# 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, 124, 134

# Trichromacy



**Original Color**  
159, 104, 215

**Protanomaly**  
106, 118, 228

**Deuteranomaly**  
110, 121, 212

**Tritanomaly**  
150, 117, 163

# Monochromacy



**Original Color**  
159, 104, 215

**Achromatopsia**  
133, 133, 133

**Achromatomaly**  
142, 122, 163

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 159, 104, 215 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, 104, 215)` looks like.

```
.text, #text, p{  
    color:rgb(159, 104, 215)  
}
```

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, 104, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 104, 215) }
```

## Border

The CSS property to change the border of an element to RGB 159, 104, 215 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, 104, 215) }
```

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

```
.border{ border-color:rgb(159, 104, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 104, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 104, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 104, 215);  
box-shadow:4px 4px 4px 4px rgb(159, 104,  
215) }
```

# Background

The CSS property to change the background color of an element to RGB 159, 104, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 104, 215) }
```

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

```
.background{ background-color: rgb(159,  
104, 215) }
```

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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