

# Converting Colors

RGB(158, 69, 195)

Have a look what the booklet for  
RGB(158, 69, 195) contains.

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# Color

**RGB(158, 69, 195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E45C3
RGB	158, 69, 195
RGB Percent	62%, 27%, 76%
CMY	0.3804, 0.7294, 0.2353
CMYK	0.19, 0.65, 0.00, 0.24
HSL	282°, 51%, 52%
HSV	282°, 65%, 76%
XYZ	26.0790, 15.4655, 53.2404
YIQ	109.9750, 12.5980, 58.0540

# Conversions

## Conversions Part 2

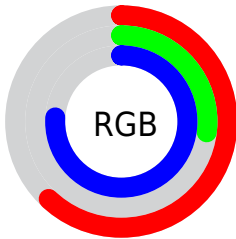
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 69, 195
Decimal	10372547
CIE <sub>Lab</sub>	46.27, 56.52, -50.21
CIE <sub>LCh</sub>	46, 75.600, 318.383
Yxy	15.4655, 0.2751, 0.1632
Android (android.graphics.Color)	4288562627 (0xFF9E45C3)
YUV	109.9750, 41.9173, 42.1179
Hunter-Lab	39.3262, 49.5508, -52.7394

# Details

The RGB color **158, 69, 195** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **106, 195, 69**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **216, 123, 252**, and **102, 4, 140** is the 20% darker color. If you saturate the color by 10%, you get **152, 49, 195**, and if you desaturate by 10%, it is **164, 89, 195**.

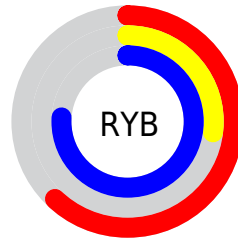
# Distribution



Red (62%)

Green (27%)

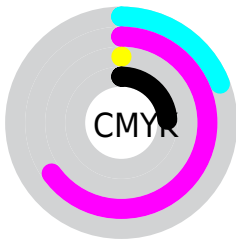
Blue (76%)



Red (62%)

Yellow (27%)

Blue (76%)

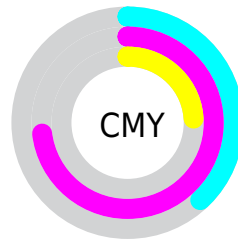


Cyan (19%)

Magenta (65%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (73%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 158, 69, 195 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 158, 69, 195 by changing the saturation by 10% instead.



 158, 69, 195

255, 255, 255

 216, 123, 252

 245, 150, 255

 255, 178, 255

 255, 206, 255

 255, 235, 255


 158, 69, 195

 130, 41, 167

 102, 4, 140

 75, 0, 114

 48, 0, 89

 21, 0, 65

 0, 3, 42

 0, 1, 20

 0, 0, 0

 158, 69, 195

 158, 69, 195

152, 49, 195

164, 89, 195

147, 30, 195

169, 108, 195

141, 11, 195

175, 128, 195

138, 0, 195

181, 147, 195

187, 167, 195

192, 186, 195

198, 206, 195

204, 225, 195

210, 244, 195

# Harmonies

## Analogous

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



0, 104, 232



158, 69, 195



207, 15, 137

# Triad

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



158, 69, 195



154, 98, 0



0, 136, 148

# Complementary

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



158, 69, 195



106, 195, 69

# 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, 135, 82



158, 69, 195



97, 118, 0

# Square

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



158, 69, 195



196, 65, 3



0, 129, 0



0, 134, 204

# Rectangle

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



158, 69, 195



218, 0, 95



0, 129, 0



0, 136, 126



# Sweetspot

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



158, 69, 195



238, 204, 252



69, 107, 195



119, 98, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



158, 69, 195



195, 56, 252



195, 69, 170



94, 87, 97



113, 0, 161



23, 0, 33



# Inverse Universe

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



195, 69, 106



252, 56, 113



69, 195, 94



97, 87, 90



161, 0, 47

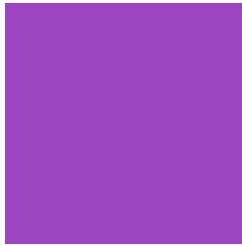


33, 0, 10



# Previews

## White Background



This preview shows how the RGB color 158, 69, 195 looks on a white background.

## Color Contrast Check

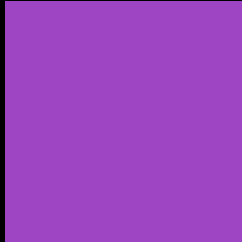
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 158, 69, 195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

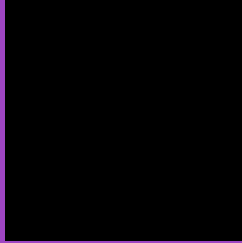
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 158, 69, 195 Background



This preview shows how black text looks on a background with the RGB color 158, 69, 195.

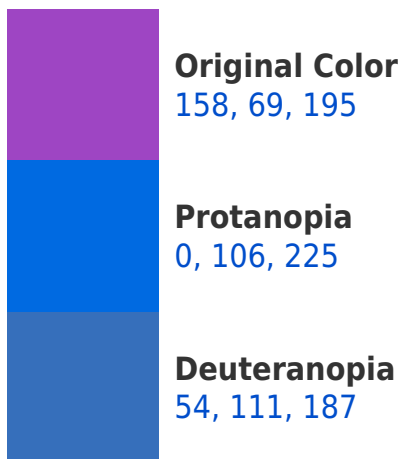


This preview shows how white text looks on a background with the RGB color 158, 69, 195.

# 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, 97, 104

# Trichromacy



**Original Color**

158, 69, 195



**Protanomaly**

57, 93, 214



**Deuteranomaly**

92, 96, 190



**Tritanomaly**

149, 87, 137

# Monochromacy



**Original Color**

158, 69, 195



**Achromatopsia**

110, 110, 110



**Achromatomaly**

127, 95, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 158, 69, 195 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, 69, 195)` looks like.

```
.text, #text, p{  
    color:rgb(158, 69, 195)  
}
```

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, 69, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 69, 195) }
```

## Border

The CSS property to change the border of an element to RGB 158, 69, 195 is called "border". The border property can be set on classes, ids or directly on the HTML element.

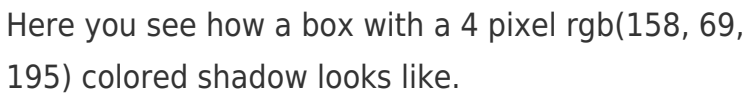
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 69, 195) }
```

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

```
.border{ border-color:rgb(158, 69, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 69, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 69, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 69, 195); box-shadow:4px 4px 4px 4px rgb(158, 69, 195) }
```

# Background

The CSS property to change the background color of an element to RGB 158, 69, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 69, 195) }
```

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

```
.background{ background-color: rgb(158, 69,  
195) }
```

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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