

# Converting Colors

RGB(158, 80, 167)

Have a look what the booklet for  
RGB(158, 80, 167) contains.

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# Color

**RGB(158, 80, 167)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E50A7
RGB	158, 80, 167
RGB Percent	62%, 31%, 65%
CMY	0.3804, 0.6863, 0.3451
CMYK	0.05, 0.52, 0.00, 0.35
HSL	294°, 35%, 48%
HSV	294°, 52%, 65%
XYZ	23.9443, 15.7964, 38.3462
YIQ	113.2400, 18.5610, 43.5930

# Conversions

## Conversions Part 2

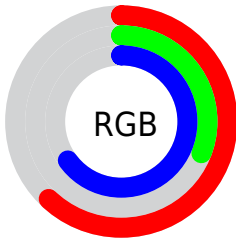
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 80, 167
Decimal	10375335
CIE <sub>Lab</sub>	46.71, 45.50, -33.12
CIE <sub>LCh</sub>	47, 56.279, 323.945
Yxy	15.7964, 0.3066, 0.2023
Android (android.graphics.Color)	4288565415 (0xFF9E50A7)
YUV	113.2400, 26.5037, 39.2545
Hunter-Lab	39.7447, 37.9842, -29.3824

# Details

The RGB color **158, 80, 167** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **89, 167, 80**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **214, 132, 222**, and **104, 28, 115** is the 20% darker color. If you saturate the color by 10%, you get **156, 63, 167**, and if you desaturate by 10%, it is **160, 97, 167**.

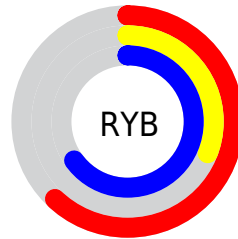
# Distribution



Red (62%)

Green (31%)

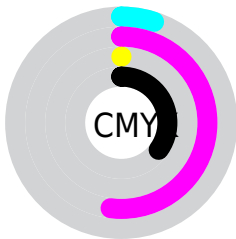
Blue (65%)



Red (62%)

Yellow (31%)

Blue (65%)

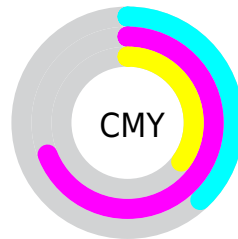


Cyan (5%)

Magenta (52%)

Yellow (0%)

Black (35%)



Cyan (38%)

Magenta (69%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 158, 80, 167 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, 80, 167 by changing the saturation by 10% instead.





158, 80, 167



158, 80, 167

255, 255, 255



131, 54, 140



214, 132, 222



104, 28, 115



244, 159, 251



78, 0, 90



255, 187, 255



53, 0, 66



255, 215, 255



31, 0, 43



255, 244, 255



0, 1, 21



0, 0, 0



158, 80, 167



158, 80, 167





156, 63, 167




160, 97, 167

 155, 47, 167

 161, 113, 167

 153, 30, 167

 163, 130, 167


 151, 13, 167

 165, 147, 167

 150, 0, 167

 167, 163, 167

 168, 180, 167

 170, 197, 167

 172, 214, 167

 174, 230, 167

# Harmonies

## Analogous

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



90, 102, 198



158, 80, 167



190, 62, 122

# Triad

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



158, 80, 167



141, 105, 0



0, 132, 148

# Complementary

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



158, 80, 167



89, 167, 80

# 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, 132, 99



158, 80, 167



96, 119, 1

# Square

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



158, 80, 167



175, 85, 33



23, 128, 51



0, 129, 187

# Rectangle

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



158, 80, 167



195, 62, 91



23, 128, 51



0, 132, 132



# Sweetspot

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



158, 80, 167



213, 182, 217



80, 90, 167



107, 89, 110



237, 237, 237



110, 110, 110



# Same Dimension

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



158, 80, 167



203, 80, 217



167, 80, 134



83, 76, 84



133, 0, 148



18, 0, 20



# Inverse Universe

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



167, 80, 89



217, 80, 94



80, 167, 113



84, 76, 77



148, 0, 15



20, 0, 2



# Previews

## White Background



This preview shows how the RGB color 158, 80, 167 looks on a white background.

## Color Contrast Check

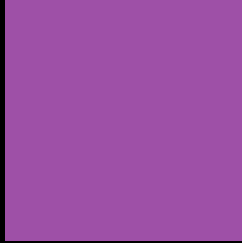
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80, 167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

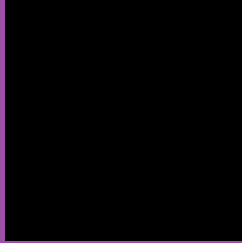
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 158, 80, 167 Background



This preview shows how black text looks on a background with the RGB color 158, 80, 167.

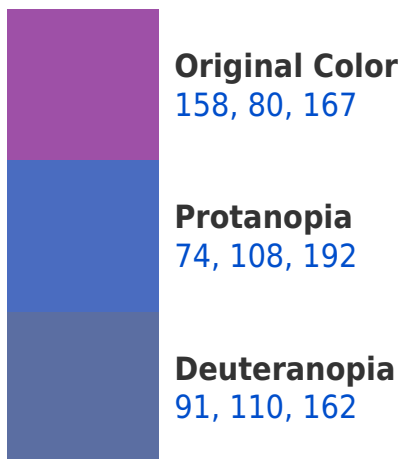



This preview shows how white text looks on a background with the RGB color 158, 80, 167.

# 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**  
150, 96, 103

# Trichromacy



**Original Color**

158, 80, 167



**Protanomaly**

105, 98, 183



**Deuteranomaly**

115, 99, 164



**Tritanomaly**

153, 90, 126

# Monochromacy



**Original Color**

158, 80, 167



**Achromatopsia**

113, 113, 113



**Achromatomaly**

129, 101, 133

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 158, 80, 167 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, 80, 167)` looks like.

```
.text, #text, p{  
    color:rgb(158, 80, 167)  
}
```

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, 80, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 80, 167) }
```

## Border

The CSS property to change the border of an element to RGB 158, 80, 167 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, 80, 167) }
```

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

```
.border{ border-color:rgb(158, 80, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 80, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 80, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 80, 167);  
box-shadow:4px 4px 4px 4px rgb(158, 80,  
167) }
```

# Background

The CSS property to change the background color of an element to RGB 158, 80, 167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 80, 167) }
```

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

```
.background{ background-color: rgb(158, 80,  
167) }
```

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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