

Converting Colors

RGB(158, 70, 202)

Have a look what the booklet for
RGB(158, 70, 202) contains.

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Color

RGB(158, 70, 202)

Conversions

Conversions Part 1

Format	Color
Hex	9E46CA
RGB	158, 70, 202
RGB Percent	62%, 27%, 79%
CMY	0.3804, 0.7255, 0.2078
CMYK	0.22, 0.65, 0.00, 0.21
HSL	280°, 55%, 53%
HSV	280°, 65%, 79%
XYZ	26.9514, 15.9137, 57.5283
YIQ	111.3600, 10.0760, 59.7080

Conversions

Conversions Part 2

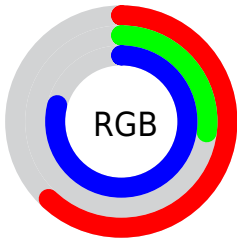
Format	Color
R_{YB}	158, 70, 202
Decimal	10372810
CIE _{Lab}	46.86, 57.53, -53.30
CIE _{LCh}	47, 78.431, 317.185
Yxy	15.9137, 0.2685, 0.1585
Android (android.graphics.Color)	4288562890 (0xFF9E46CA)
YUV	111.3600, 44.6855, 40.9033
Hunter-Lab	39.8920, 50.7853, -57.5778

Details

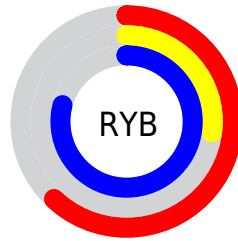
The RGB color **158, 70, 202** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **114, 202, 70**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **216, 124, 255**, and **102, 5, 147** is the 20% darker color. If you saturate the color by 10%, you get **151, 50, 202**, and if you desaturate by 10%, it is **165, 90, 202**.

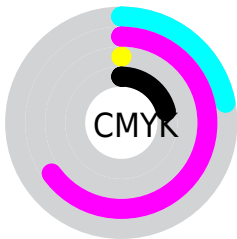
Distribution



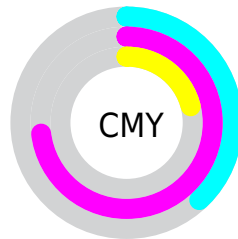
- Red (62%)
- Green (27%)
- Blue (79%)



- Red (62%)
- Yellow (27%)
- Blue (79%)



- Cyan (22%)
- Magenta (65%)
- Yellow (0%)
- Black (21%)



- Cyan (38%)
- Magenta (73%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RGB color 158, 70, 202 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, 70, 202 by changing the saturation by 10% instead.

■ 158, 70, 202

255, 255, 255

■ 216, 124, 255

■ 245, 151, 255

■ 255, 179, 255

■ 255, 208, 255

■ 255, 237, 255

■ 158, 70, 202

■ 130, 42, 174

■ 102, 5, 147

■ 75, 0, 121

■ 47, 0, 95

■ 19, 0, 71

■ 0, 3, 47

■ 0, 1, 25

■ 0, 0, 0

■ 158, 70, 202

■ 158, 70, 202

151, 50, 202

165, 90, 202

145, 30, 202

171, 110, 202

138, 9, 202

178, 131, 202

135, 0, 202

185, 151, 202

192, 171, 202

198, 191, 202

205, 211, 202

212, 232, 202

219, 252, 202

Harmonies

Analogous

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



0, 107, 239



158, 70, 202



211, 3, 142

Triad

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



158, 70, 202



159, 98, 0



0, 138, 148

Complementary

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



158, 70, 202



114, 202, 70

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, 137, 79



158, 70, 202



100, 120, 0

Square

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



158, 70, 202



201, 62, 3



0, 131, 0



0, 137, 208

Rectangle

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



158, 70, 202



223, 0, 98



0, 131, 0



0, 138, 126

Sweetspot

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



158, 70, 202



238, 204, 255



70, 114, 202



117, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 70, 202



189, 56, 255



202, 70, 180



99, 92, 102



111, 0, 166



26, 0, 38

Inverse Universe

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



202, 70, 114



255, 56, 122



70, 202, 92



102, 92, 95



166, 0, 55



38, 0, 13

Previews

White Background



This preview shows how the RGB color 158, 70, 202 looks on a white background.

Color Contrast Check

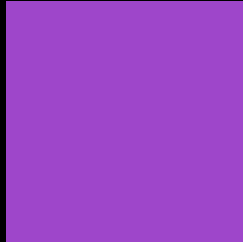
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70, 202 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, 70, 202 Background



This preview shows how black text looks on a background with the RGB color 158, 70, 202.

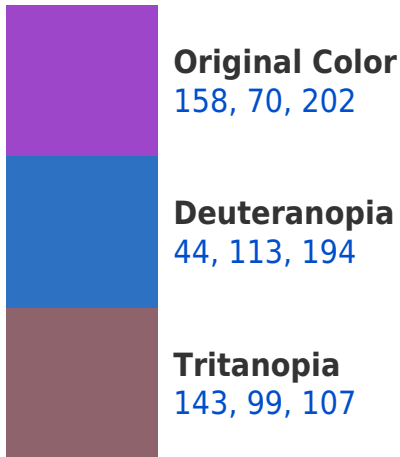


This preview shows how white text looks on a background with the RGB color 158, 70, 202.

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



Trichromacy



Original Color

158, 70, 202



Deuteranomaly

85, 97, 197



Tritanomaly

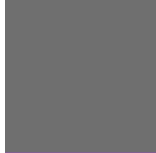
148, 88, 142

Monochromacy



Original Color

158, 70, 202



Achromatopsia

111, 111, 111



Achromatomaly

128, 96, 144

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 70, 202 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, 70, 202)` looks like.

```
.text, #text, p{  
    color:rgb(158, 70, 202)  
}
```

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, 70, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 70, 202) }
```

Border

The CSS property to change the border of an element to RGB 158, 70, 202 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, 70, 202) }
```

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

```
.border{ border-color:rgb(158, 70, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 70, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 70, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 70, 202);  
box-shadow:4px 4px 4px 4px rgb(158, 70,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 158, 70, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 70, 202) }
```

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

```
.background{ background-color: rgb(158, 70,  
202) }
```

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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