

# Converting Colors

RGB(138, 82, 217)

Have a look what the booklet for  
RGB(138, 82, 217) contains.

<b>RGB(138, 82, 217)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**RGB(138, 82, 217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A52D9
RGB	138, 82, 217
RGB Percent	54%, 32%, 85%
CMY	0.4588, 0.6784, 0.1490
CMYK	0.36, 0.62, 0.00, 0.15
HSL	265°, 64%, 59%
HSV	265°, 62%, 85%
XYZ	26.0229, 16.4476, 67.4488
YIQ	114.1340, -9.9590, 53.8570

# Conversions

## Conversions Part 2

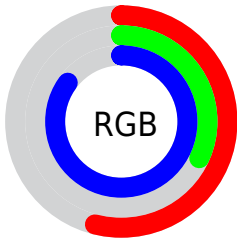
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 82, 217
Decimal	9065177
CIE <sub>Lab</sub>	47.56, 50.72, -60.91
CIE <sub>LCh</sub>	48, 79.264, 309.784
Yxy	16.4476, 0.2367, 0.1496
Android (android.graphics.Color)	4287255257 (0xFF8A52D9)
YUV	114.1340, 50.7129, 20.9305
Hunter-Lab	40.5557, 43.5638, -70.2172

# Details

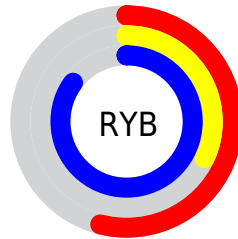
The RGB color **138, 82, 217** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **161, 217, 82**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **196, 134, 255**, and **81, 31, 161** is the 20% darker color. If you saturate the color by 10%, you get **125, 60, 217**, and if you desaturate by 10%, it is **151, 104, 217**.

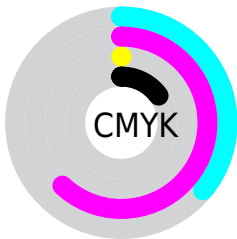
# Distribution



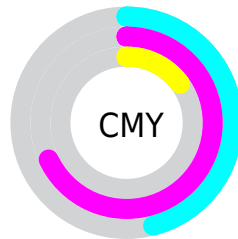
- Red (54%)
- Green (32%)
- Blue (85%)



- Red (54%)
- Yellow (32%)
- Blue (85%)



- Cyan (36%)
- Magenta (62%)
- Yellow (0%)
- Black (15%)




















- Cyan (46%)
- Magenta (68%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 138, 82, 217 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 138, 82, 217 by changing the saturation by 10% instead.



 138, 82, 217	 138, 82, 217
 255, 255, 255	 110, 57, 189
 196, 134, 255	 81, 31, 161
 225, 161, 255	 51, 0, 134
 255, 189, 255	 10, 0, 108
 255, 217, 255	 0, 0, 83
 255, 246, 255	 0, 6, 59
	 0, 2, 36
	 0, 0, 12
	 0, 0, 0

■ 138, 82, 217

■ 138, 82, 217

■ 125, 60, 217

■ 151, 104, 217

■ 113, 39, 217

■ 163, 125, 217

■ 100, 17, 217

■ 176, 147, 217

■ 90, 0, 217

■ 189, 169, 217

■ 201, 191, 217

■ 214, 212, 217

■ 227, 234, 217

■ 240, 255, 217

■ 252, 255, 217

# Harmonies

## Analogous

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



0, 115, 247



138, 82, 217



206, 28, 161

# Triad

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



138, 82, 217



173, 92, 0



0, 140, 134

# Complementary

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



138, 82, 217



161, 217, 82

# 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, 138, 63



138, 82, 217



118, 117, 0

# Square

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



138, 82, 217



212, 51, 28



31, 131, 0



0, 140, 198

# Rectangle

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



138, 82, 217



224, 0, 116



31, 131, 0



0, 140, 110



# Sweetspot

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



138, 82, 217



227, 207, 255



82, 163, 217



110, 98, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



138, 82, 217



143, 64, 255



204, 82, 217



103, 99, 110



72, 0, 173



19, 0, 46



# Inverse Universe

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



217, 82, 161



255, 64, 176



96, 217, 82



110, 99, 105



173, 0, 101

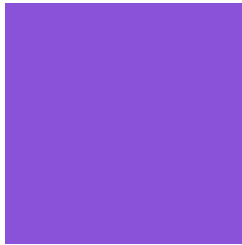


46, 0, 27



# Previews

## White Background



This preview shows how the RGB color 138, 82, 217 looks on a white background.

## Color Contrast Check

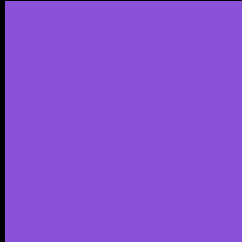
Large Text (above 18pt) WCAG AA ✓ Pass

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 138, 82, 217 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 138, 82, 217 Background



This preview shows how black text looks on a background with the RGB color 138, 82, 217.

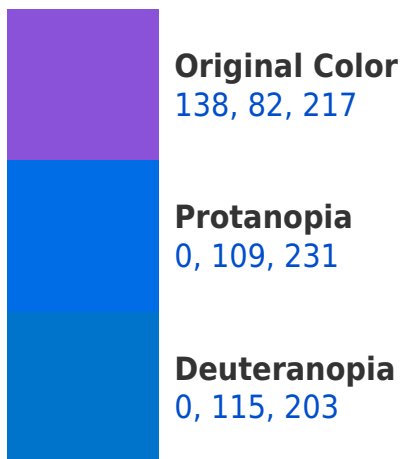


This preview shows how white text looks on a background with the RGB color 138, 82, 217.

# 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





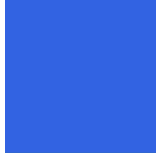
**Tritanopia**  
118, 110, 119

# Trichromacy



**Original Color**

138, 82, 217



**Protanomaly**

50, 99, 226



**Deuteranomaly**

50, 103, 208



**Tritanomaly**

125, 100, 155

# Monochromacy



**Original Color**

138, 82, 217



**Achromatopsia**

114, 114, 114



**Achromatomaly**

123, 102, 151

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 138, 82, 217 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(138, 82, 217)` looks like.

```
.text, #text, p{  
    color:rgb(138, 82, 217)  
}
```

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(138, 82, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 82, 217) }
```

## Border

The CSS property to change the border of an element to RGB 138, 82, 217 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(138, 82, 217) }
```

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

```
.border{ border-color:rgb(138, 82, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 82, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 82, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 82, 217); box-shadow:4px 4px 4px 4px rgb(138, 82, 217) }
```

# Background

The CSS property to change the background color of an element to RGB 138, 82, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 82, 217) }
```

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

```
.background{ background-color: rgb(138, 82,  
217) }
```

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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