

# Converting Colors

RGB(138, 0, 250)

Have a look what the booklet for  
RGB(138, 0, 250) contains.

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**Color**

**RGB(138, 0, 250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A00FA
RGB	138, 0, 250
RGB Percent	54%, 0%, 98%
CMY	0.4588, 1.0000, 0.0196
CMYK	0.45, 1.00, 0.00, 0.02
HSL	273°, 100%, 49%
HSV	273°, 100%, 98%
XYZ	27.7366, 12.3054, 91.3558
YIQ	69.7620, 1.9980, 107.0060

# Conversions

## Conversions Part 2

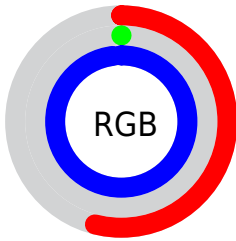
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 0, 250
Decimal	9044218
CIE <sub>Lab</sub>	41.70, 82.95, -89.16
CIE <sub>LCh</sub>	42, 121.777, 312.935
Yxy	12.3054, 0.2111, 0.0937
Android (android.graphics.Color)	4287234298 (0xFF8A00FA)
YUV	69.7620, 88.8573, 59.8447
Hunter-Lab	35.0791, 79.7493, -129.8526

# Details

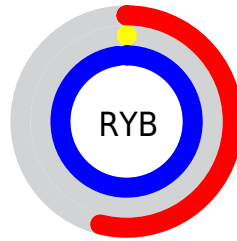
The RGB color **138, 0, 250** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **112, 250, 0**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **201, 84, 255**, and **71, 0, 192** is the 20% darker color. If you saturate the color by 10%, you get **138, 0, 250**, and if you desaturate by 10%, it is **149, 25, 250**.

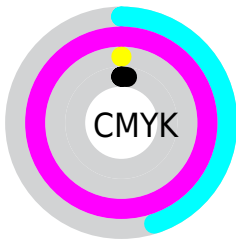
# Distribution



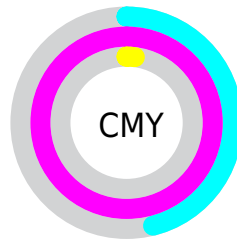
- Red (54%)
- Green (0%)
- Blue (98%)



- Red (54%)
- Yellow (0%)
- Blue (98%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





















- Cyan (46%)
- Magenta (100%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 138, 0, 250 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, 0, 250 by changing the saturation by 10% instead.



 138, 0, 250	 138, 0, 250
 255, 255, 255	 106, 0, 221
 201, 84, 255	 71, 0, 192
 232, 114, 255	 24, 0, 164
 255, 143, 255	 0, 0, 136
 255, 172, 255	 0, 0, 110
 255, 201, 255	 0, 8, 84
 255, 231, 255	 0, 6, 60
	 0, 2, 37
	 0, 1, 14


 138, 0, 250

 149, 25, 250


 160, 50, 250

 172, 75, 250

 183, 100, 250

 194, 125, 250

 205, 150, 250

 216, 175, 250

 228, 200, 250

 239, 225, 250

# Harmonies

## Analogous

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



0, 103, 255



138, 0, 250



236, 0, 160

# Triad

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



138, 0, 250



165, 70, 0



0, 131, 142

# Complementary

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



138, 0, 250



112, 250, 0

# 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, 128, 30



138, 0, 250



79, 108, 0

# Square

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



138, 0, 250



226, 0, 0



0, 123, 0



0, 133, 237

# Rectangle

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



138, 0, 250



255, 0, 94



0, 123, 0



0, 130, 107



# Sweetspot

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



138, 0, 250



221, 179, 255



0, 113, 250



107, 82, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



138, 0, 250



141, 0, 255



250, 0, 238



119, 112, 125



104, 0, 189



34, 0, 61



# Inverse Universe

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



250, 0, 112



255, 0, 114



0, 250, 12



125, 112, 118



189, 0, 85

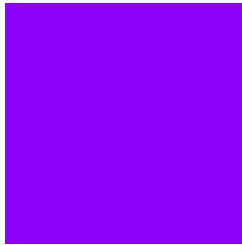


61, 0, 27



# Previews

## White Background



This preview shows how the RGB color 138, 0, 250 looks on a white background.

## Color Contrast Check

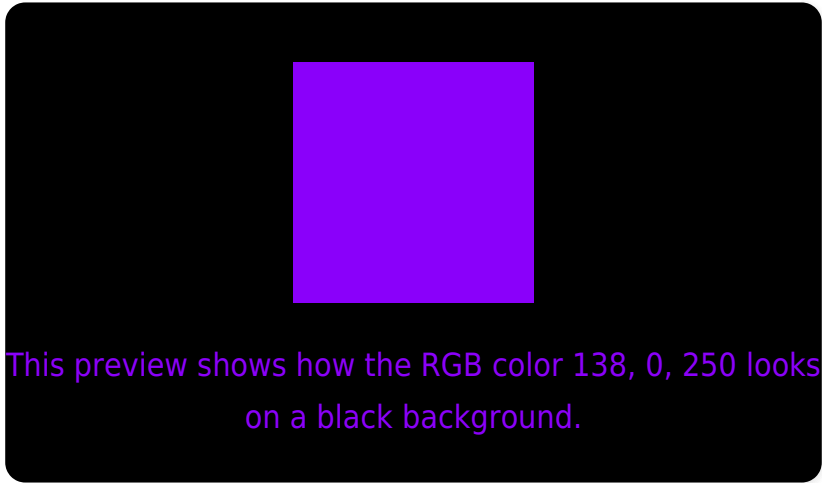
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## 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, 0, 250 Background



This preview shows how black text looks on a background with the RGB color 138, 0, 250.



This preview shows how white text looks on a background with the RGB color 138, 0, 250.

# 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



**Original Color**

138, 0, 250

**Protanopia**

0, 96, 202

**Deuteranopia**

0, 103, 173



**Tritanopia**  
103, 97, 105

# Trichromacy



**Original Color**

138, 0, 250



**Protanomaly**

50, 61, 219



**Deuteranomaly**

50, 66, 201



**Tritanomaly**

116, 62, 158

# Monochromacy



**Original Color**

138, 0, 250



**Achromatopsia**

70, 70, 70



**Achromatomaly**

95, 45, 135

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 138, 0, 250 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, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 250)  
}
```

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, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 250) }
```

## Border

The CSS property to change the border of an element to RGB 138, 0, 250 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, 0, 250) }
```

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

```
.border{ border-color:rgb(138, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(138, 0,  
250) }
```

# Background

The CSS property to change the background color of an element to RGB 138, 0, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 250) }
```

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

```
.background{ background-color: rgb(138, 0,  
250) }
```

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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