

# Converting Colors

RGB(154, 0, 238)

Have a look what the booklet for  
RGB(154, 0, 238) contains.

<b>RGB(154, 0, 238)</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(154, 0, 238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9A00EE
RGB	154, 0, 238
RGB Percent	60%, 0%, 93%
CMY	0.3961, 1.0000, 0.0667
CMYK	0.35, 1.00, 0.00, 0.07
HSL	279°, 100%, 47%
HSV	279°, 100%, 93%
XYZ	28.7590, 13.0431, 81.8907
YIQ	73.1780, 15.3860, 106.6660

# Conversions

## Conversions Part 2

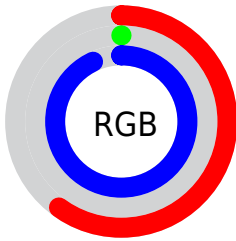
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 0, 238
Decimal	10092782
CIELab	42.83, 82.10, -80.45
CIELCh	43, 114.951, 315.581
Yxy	13.0431, 0.2325, 0.1054
Android (android.graphics.Color)	4288282862 (0xFF9A00EE)
YUV	73.1780, 81.2572, 70.8809
Hunter-Lab	36.1152, 78.9405, -109.1586

# Details

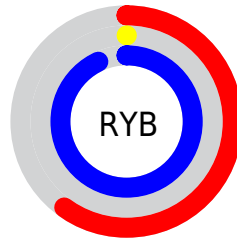
The RGB color **154, 0, 238** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **84, 238, 0**, and the grayscale version is **72, 72, 72**.

A 20% lighter version of the original color is **215, 86, 255**, and **92, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **154, 0, 238**, and if you desaturate by 10%, it is **162, 24, 238**.

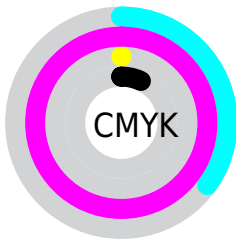
# Distribution



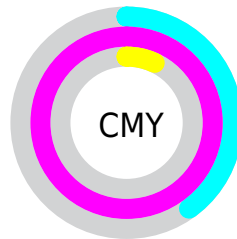
- Red (60%)
- Green (0%)
- Blue (93%)



- Red (60%)
- Yellow (0%)
- Blue (93%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





















- Cyan (40%)
- Magenta (100%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 154, 0, 238 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 154, 0, 238 by changing the saturation by 10% instead.




 154, 0, 238	 154, 0, 238
 255, 255, 255	 123, 0, 209
 215, 86, 255	 92, 0, 181
 246, 116, 255	 59, 0, 153
 255, 145, 255	 15, 0, 126
 255, 174, 255	 0, 0, 100
 255, 204, 255	 0, 3, 75
 255, 233, 255	 0, 4, 51
	 0, 2, 29
	 0, 0, 0


 154, 0, 238


 162, 24, 238

 171, 48, 238


 179, 71, 238

 188, 95, 238

 196, 119, 238

 204, 143, 238

 213, 167, 238

 221, 190, 238

 230, 214, 238

# Harmonies

## Analogous

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



0, 101, 255



154, 0, 238



237, 0, 151

# Triad

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



154, 0, 238



160, 79, 0



0, 133, 151

# Complementary

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



154, 0, 238



84, 238, 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, 131, 48



154, 0, 238



76, 112, 0

# Square

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



154, 0, 238



220, 0, 0



0, 126, 0



0, 135, 239

# Rectangle

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



154, 0, 238



252, 0, 89



0, 126, 0



0, 133, 118



# Sweetspot

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



154, 0, 238



228, 179, 255



0, 87, 238



111, 82, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



154, 0, 238



165, 0, 255



238, 0, 206



116, 108, 120



119, 0, 184



36, 0, 56



# Inverse Universe

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



238, 0, 84



255, 0, 90



0, 238, 32



120, 108, 112



184, 0, 65



56, 0, 20



# Previews

## White Background



This preview shows how the RGB color 154, 0, 238 looks on a white background.

## Color Contrast Check

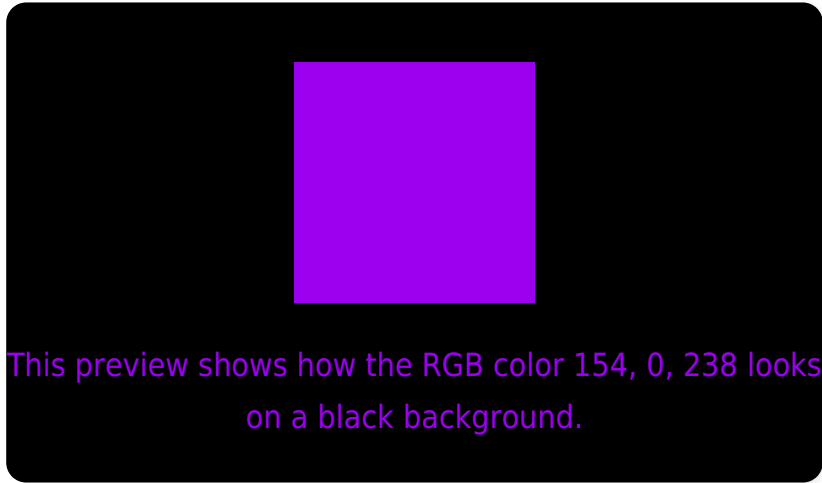
Large Text (above 18pt) WCAG AA ✓ Pass

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 154, 0, 238 Background



This preview shows how black text looks on a background with the RGB color 154, 0, 238.



This preview shows how white text looks on a background with the RGB color 154, 0, 238.

# 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**  
154, 0, 238

**Protanopia**  
0, 99, 209

**Deuteranopia**  
0, 105, 180



**Tritanopia**  
128, 93, 100

# Trichromacy



**Original Color**

154, 0, 238



**Protanomaly**

56, 63, 220



**Deuteranomaly**

56, 67, 201



**Tritanomaly**

137, 59, 150

# Monochromacy



**Original Color**

154, 0, 238



**Achromatopsia**

73, 73, 73



**Achromatomaly**

102, 46, 133

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 154, 0, 238 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(154, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(154, 0, 238)  
}
```

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(154, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 0, 238) }
```

## Border

The CSS property to change the border of an element to RGB 154, 0, 238 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(154, 0, 238) }
```

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

```
.border{ border-color:rgb(154, 0, 238) }
```

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

Here you see how a box with a 4 pixel rgb(154, 0, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(154, 0,  
238) }
```

# Background

The CSS property to change the background color of an element to RGB 154, 0, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 0, 238) }
```

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

```
.background{ background-color: rgb(154, 0,  
238) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**