

# Converting Colors

RGB(120, 0, 240)

Have a look what the booklet for  
RGB(120, 0, 240) contains.

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**Color**

**RGB(120, 0, 240)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7800F0
RGB	120, 0, 240
RGB Percent	47%, 0%, 94%
CMY	0.5294, 1.0000, 0.0588
CMYK	0.50, 1.00, 0.00, 0.06
HSL	270°, 100%, 47%
HSV	270°, 100%, 94%
XYZ	23.4739, 10.2843, 83.1859
YIQ	63.2400, -5.5200, 100.0800

# Conversions

## Conversions Part 2

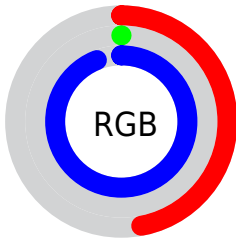
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 0, 240
Decimal	7864560
CIE <sub>Lab</sub>	38.35, 79.44, -89.13
CIE <sub>LCh</sub>	38, 119.398, 311.711
Yxy	10.2843, 0.2007, 0.0879
Android (android.graphics.Color)	4286054640 (0xFF7800F0)
YUV	63.2400, 87.1427, 49.7785
Hunter-Lab	32.0692, 74.5367, -131.3469

# Details

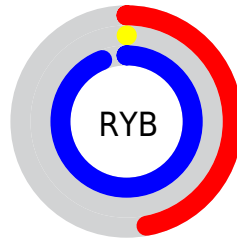
The RGB color **120, 0, 240** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **120, 240, 0**, and the grayscale version is **62, 62, 62**.

A 20% lighter version of the original color is **183, 80, 255**, and **47, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **120, 0, 240**, and if you desaturate by 10%, it is **132, 24, 240**.

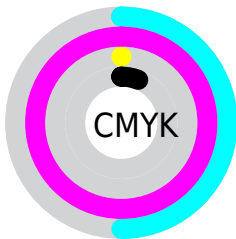
# Distribution



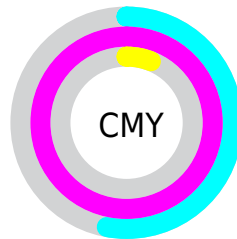
- Red (47%)
- Green (0%)
- Blue (94%)



- Red (47%)
- Yellow (0%)
- Blue (94%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




















- Cyan (53%)
- Magenta (100%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 120, 0, 240 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 120, 0, 240 by changing the saturation by 10% instead.



 120, 0, 240	 120, 0, 240
255, 255, 255	 87, 0, 211
 183, 80, 255	 47, 0, 182
 214, 109, 255	 0, 0, 154
 246, 138, 255	 0, 0, 127
 255, 166, 255	 0, 0, 101
 255, 195, 255	 0, 9, 76
 255, 225, 255	 0, 4, 52
255, 255, 255	 0, 2, 30
	 0, 0, 0


 120, 0, 240


 132, 24, 240


 144, 48, 240

 156, 72, 240

 168, 96, 240

 180, 120, 240

 192, 144, 240

 204, 168, 240

 216, 192, 240

 228, 216, 240

# Harmonies

## Analogous

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



0, 97, 255



120, 0, 240



221, 0, 154

# Triad

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



120, 0, 240



157, 60, 0



0, 121, 128

# Complementary

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



120, 0, 240



120, 240, 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, 118, 16



120, 0, 240



75, 99, 0

# Square

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



120, 0, 240



214, 0, 0



0, 113, 0



0, 123, 222

# Rectangle

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



120, 0, 240



241, 0, 90



0, 113, 0



0, 120, 94



# Sweetspot

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



120, 0, 240



217, 179, 255



0, 120, 240



105, 82, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



120, 0, 240



128, 0, 255



240, 0, 240



114, 108, 120



92, 0, 184



28, 0, 56



# Inverse Universe

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



240, 0, 120



255, 0, 128



0, 240, 0



120, 108, 114



184, 0, 92

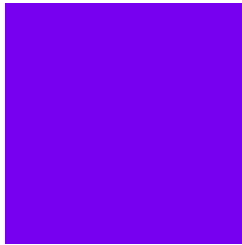


56, 0, 28



# Previews

## White Background



This preview shows how the RGB color 120, 0, 240 looks on a white background.

## Color Contrast Check

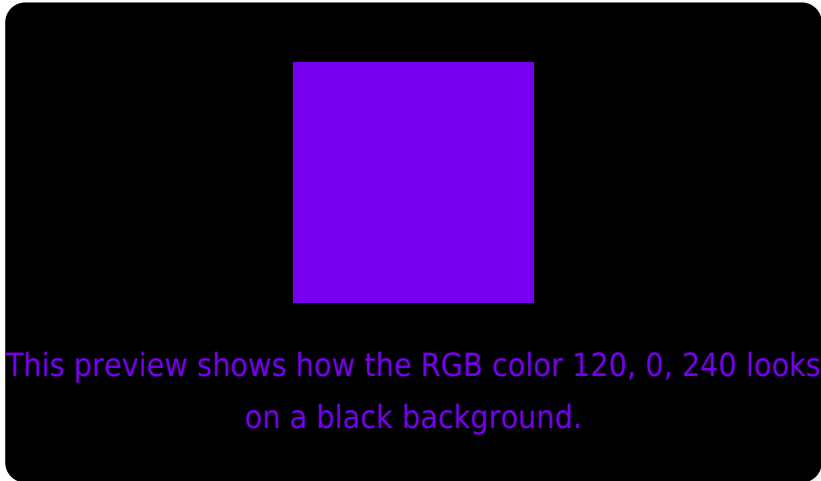
Large Text (above 18pt) WCAG AA ✓ Pass

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

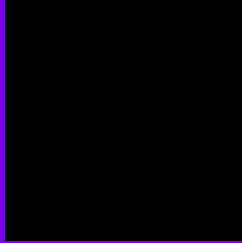
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 120, 0, 240 Background



This preview shows how black text looks on a background with the RGB color 120, 0, 240.



This preview shows how white text looks on a background with the RGB color 120, 0, 240.

# 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](#).

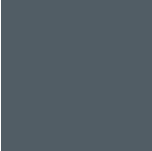
## Dichromacy



**Original Color**  
120, 0, 240

**Protanopia**  
0, 89, 186

**Deuteranopia**  
0, 94, 159



**Tritanopia**  
81, 93, 101

# Trichromacy



**Original Color**

120, 0, 240



**Protanomaly**

44, 57, 206



**Deuteranomaly**

44, 60, 188



**Tritanomaly**

95, 59, 152

# Monochromacy



**Original Color**

120, 0, 240



**Achromatopsia**

63, 63, 63



**Achromatomaly**

84, 40, 127

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 120, 0, 240 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(120, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 240)  
}
```

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(120, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 240) }
```

## Border

The CSS property to change the border of an element to RGB 120, 0, 240 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(120, 0, 240) }
```

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

```
.border{ border-color:rgb(120, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
240) }
```

# Background

The CSS property to change the background color of an element to RGB 120, 0, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 240) }
```

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

```
.background{ background-color: rgb(120, 0,  
240) }
```

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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