

# Converting Colors

RGB(240, 0, 226)

Have a look what the booklet for  
RGB(240, 0, 226) contains.

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# **Color**

**RGB(240, 0, 226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F000E2
RGB	240, 0, 226
RGB Percent	94%, 0%, 89%
CMY	0.0588, 1.0000, 0.1137
CMYK	0.00, 1.00, 0.06, 0.06
HSL	304°, 100%, 47%
HSV	304°, 100%, 94%
XYZ	49.6626, 24.0163, 73.9696
YIQ	97.5240, 70.4940, 121.1660

# Conversions

## Conversions Part 2

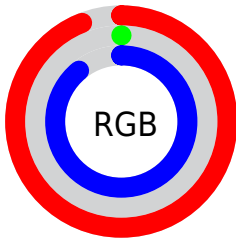
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 0, 226
Decimal	15728866
CIE Lab	56.10, 91.92, -51.50
CIE LCh	56, 105.367, 330.741
Yxy	24.0163, 0.3364, 0.1627
Android (android.graphics.Color)	4293918946 (0xFFFF00E2)
YUV	97.5240, 63.3387, 124.9515
Hunter-Lab	49.0064, 95.1292, -55.1871

# Details

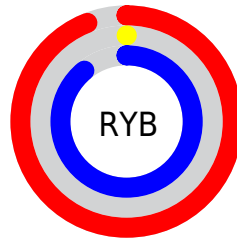
The RGB color **240, 0, 226** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 240, 14**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **255, 101, 255**, and **179, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **240, 0, 226**, and if you desaturate by 10%, it is **240, 24, 227**.

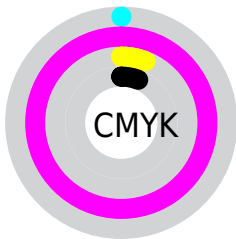
# Distribution



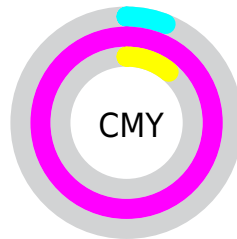
- Red (94%)
- Green (0%)
- Blue (89%)



- Red (94%)
- Yellow (0%)
- Blue (89%)



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



- Cyan (6%)
- Magenta (100%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 240, 0, 226 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 240, 0, 226 by changing the saturation by 10% instead.





240, 0, 226



240, 0, 226

255, 255, 255



209, 0, 198



255, 101, 255



179, 0, 170



255, 133, 255



149, 0, 143



255, 165, 255



119, 0, 117



255, 195, 255



90, 0, 91



255, 226, 255



62, 0, 67



31, 0, 43




0, 1, 21





0, 0, 0


 240, 0, 226


 240, 24, 227


 240, 48, 229


 240, 72, 230

 240, 96, 232

 240, 120, 233

 240, 144, 234

 240, 168, 236

 240, 192, 237

 240, 216, 239

# Harmonies

## Analogous

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



109, 108, 255



240, 0, 226



255, 0, 137

# Triad

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



240, 0, 226



162, 132, 0



0, 170, 227

# Complementary

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



240, 0, 226



0, 240, 14

# 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, 169, 134



240, 0, 226



61, 155, 0

# Square

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



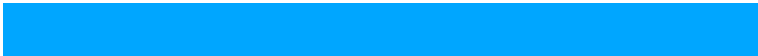
240, 0, 226



231, 89, 0



0, 165, 27



0, 166, 255

# Rectangle

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



240, 0, 226



255, 0, 77



0, 165, 27



0, 170, 198



# Sweetspot

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



240, 0, 226



255, 179, 251



12, 0, 240



128, 82, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 0, 226



255, 0, 240



240, 0, 108



120, 108, 119



184, 0, 173



56, 0, 53



# Inverse Universe

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



240, 0, 226



255, 0, 240



0, 240, 132



120, 108, 119



184, 0, 173



56, 0, 53



# Previews

## White Background



This preview shows how the RGB color 240, 0, 226 looks on a white background.

## Color Contrast Check

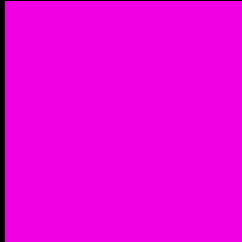
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 240, 0, 226 looks on a black 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

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



## RGB 240, 0, 226 Background



This preview shows how black text looks on a background with the RGB color 240, 0, 226.

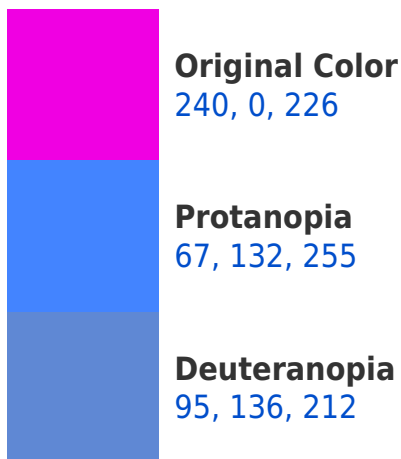



This preview shows how white text looks on a background with the RGB color 240, 0, 226.

# 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**  
227, 89, 94

# Trichromacy



**Original Color**

240, 0, 226



**Protanomaly**

130, 84, 244



**Deuteranomaly**

148, 87, 217



**Tritanomaly**

232, 57, 142

# Monochromacy



**Original Color**

240, 0, 226



**Achromatopsia**

98, 98, 98



**Achromatomaly**

150, 62, 145

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 240, 0, 226 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(240, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 226)  
}
```

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(240, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 226) }
```

## Border

The CSS property to change the border of an element to RGB 240, 0, 226 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(240, 0, 226) }
```

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

```
.border{ border-color:rgb(240, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
226) }
```

# Background

The CSS property to change the background color of an element to RGB 240, 0, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 226) }
```

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

```
.background{ background-color: rgb(240, 0,  
226) }
```

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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