

Converting Colors

RGB(238, 0, 255)

Have a look what the booklet for
RGB(238, 0, 255) contains.

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Color

RGB(238, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EE00FF
RGB	238, 0, 255
RGB Percent	93%, 0%, 100%
CMY	0.0667, 1.0000, 0.0000
CMYK	0.07, 1.00, 0.00, 0.00
HSL	296°, 100%, 50%
HSV	296°, 100%, 100%
XYZ	53.3099, 25.3971, 96.7001
YIQ	100.2320, 59.9930, 129.7610

Conversions

Conversions Part 2

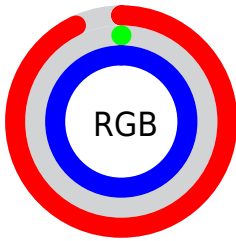
Format	Color
R_{YB}	238, 0, 255
Decimal	15597823
CIE _{Lab}	57.46, 95.70, -65.59
CIE _{LCh}	57, 116.022, 325.577
Yxy	25.3971, 0.3039, 0.1448
Android (android.graphics.Color)	4293787903 (0xFFEE00FF)
YUV	100.2320, 76.3006, 120.8225
Hunter-Lab	50.3956, 100.6302, -78.4900

Details

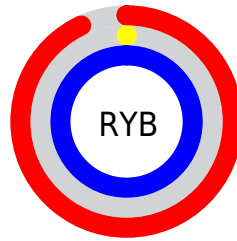
The RGB color **238, 0, 255** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **17, 255, 0**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **255, 102, 255**, and **177, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **238, 0, 255**, and if you desaturate by 10%, it is **240, 25, 255**.

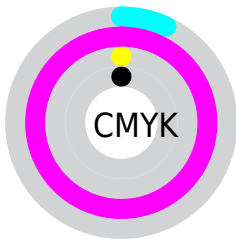
Distribution



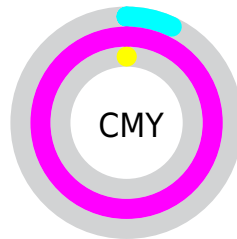
- Red (93%)
- Green (0%)
- Blue (100%)



- Red (93%)
- Yellow (0%)
- Blue (100%)



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




















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


Brightness & Saturation Gradients


These gradients show how the RGB color 238, 0, 255 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 238, 0, 255 by changing the saturation by 10% instead.

 238, 0, 255	 238, 0, 255
 255, 255, 255	 207, 0, 226
 255, 102, 255	 177, 0, 197
 255, 135, 255	 146, 0, 169
 255, 166, 255	 117, 0, 142
 255, 197, 255	 87, 0, 116
 255, 228, 255	 58, 0, 90
	 23, 0, 65
	 0, 3, 42
	 0, 1, 20

 238, 0, 255

 240, 25, 255


 241, 51, 255

 243, 77, 255

 245, 102, 255

 247, 128, 255

 248, 153, 255

 250, 179, 255

 252, 204, 255

 253, 230, 255

Harmonies

Analogous

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



0, 119, 255



238, 0, 255



255, 0, 158

Triad

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



238, 0, 255



181, 130, 0



0, 177, 224

Complementary

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



238, 0, 255



17, 255, 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, 174, 120



238, 0, 255



78, 157, 0

Square

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



238, 0, 255



253, 72, 0



0, 169, 0



0, 174, 255

Rectangle

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



238, 0, 255



255, 0, 92



0, 169, 0



0, 176, 190

Sweetspot

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



238, 0, 255



250, 179, 255



0, 17, 255



124, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



238, 0, 255



255, 0, 144



127, 115, 128



179, 0, 191



60, 0, 64

Inverse Universe

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



255, 0, 17



0, 255, 111



128, 115, 116



191, 0, 13



64, 0, 4

Previews

White Background



This preview shows how the RGB color 238, 0, 255 looks on a white background.

Color Contrast Check

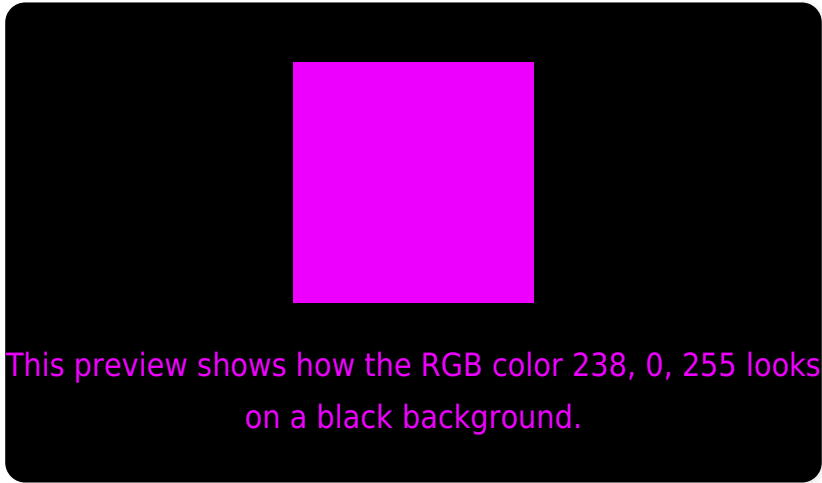
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

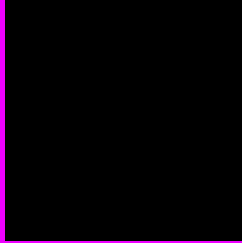
Any Text WCAG AA ✓ Pass

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 238, 0, 255 Background



This preview shows how black text looks on a background with the RGB color 238, 0, 255.



This preview shows how white text looks on a background with the RGB color 238, 0, 255.

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

238, 0, 255

Protanopia

75, 135, 255

Deuteranopia

60, 141, 240



Tritanopia
221, 100, 107

Trichromacy



Original Color
238, 0, 255



Protanomaly
134, 86, 255



Deuteranomaly
125, 90, 245



Tritanomaly
227, 64, 161

Monochromacy



Original Color
238, 0, 255



Achromatopsia
100, 100, 100



Achromatomaly
150, 64, 156

CSS Examples

Text

The CSS property to change the color of the text to RGB 238, 0, 255 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(238, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 255)  
}
```

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(238, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 255) }
```

Border

The CSS property to change the border of an element to RGB 238, 0, 255 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(238, 0, 255) }
```

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

```
.border{ border-color:rgb(238, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 238, 0, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 255) }
```

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

```
.background{ background-color: rgb(238, 0,  
255) }
```

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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