

Converting Colors

RGB(235, 0, 255)

Have a look what the booklet for
RGB(235, 0, 255) contains.

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Color

RGB(235, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EB00FF
RGB	235, 0, 255
RGB Percent	92%, 0%, 100%
CMY	0.0784, 1.0000, 0.0000
CMYK	0.08, 1.00, 0.00, 0.00
HSL	295°, 100%, 50%
HSV	295°, 100%, 100%
XYZ	52.3109, 24.8822, 96.6534
YIQ	99.3350, 58.2050, 129.1250

Conversions

Conversions Part 2

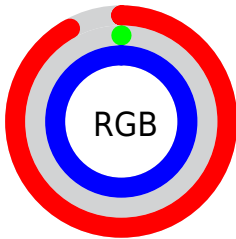
Format	Color
R_{YB}	235, 0, 255
Decimal	15401215
CIE _{Lab}	56.96, 95.27, -66.42
CIE _{LCh}	57, 116.135, 325.116
Yxy	24.8822, 0.3009, 0.1431
Android (android.graphics.Color)	4293591295 (0xFFEB00FF)
YUV	99.3350, 76.7428, 118.9782
Hunter-Lab	49.8820, 99.8982, -79.9652

Details

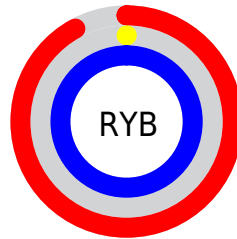
The RGB color **235, 0, 255** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **20, 255, 0**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **255, 102, 255**, and **174, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **235, 0, 255**, and if you desaturate by 10%, it is **237, 25, 255**.

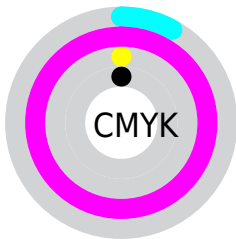
Distribution



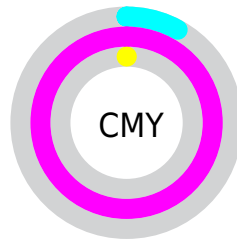
- Red (92%)
- Green (0%)
- Blue (100%)



- Red (92%)
- Yellow (0%)
- Blue (100%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 235, 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 235, 0, 255 by changing the saturation by 10% instead.



235, 0, 255



235, 0, 255

255, 255, 255



204, 0, 226



255, 102, 255



174, 0, 197



255, 134, 255



144, 0, 169



255, 166, 255



114, 0, 142



255, 196, 255



84, 0, 115



255, 227, 255



55, 0, 90



18, 0, 65




0, 3, 42





0, 1, 20

 235, 0, 255


 237, 25, 255

 239, 51, 255

 241, 77, 255

 243, 102, 255

 245, 128, 255

 247, 153, 255

 249, 179, 255

 251, 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, 118, 255



235, 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.



235, 0, 255



180, 128, 0



0, 175, 221

Complementary

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



235, 0, 255



20, 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, 173, 117



235, 0, 255



78, 155, 0

Square

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



235, 0, 255



253, 69, 0



0, 168, 0



0, 173, 255

Rectangle

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



235, 0, 255



255, 0, 92



0, 168, 0



0, 175, 187

Sweetspot

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



235, 0, 255



249, 179, 255



0, 21, 255



124, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



235, 0, 255



255, 0, 149



127, 115, 128



176, 0, 191



59, 0, 64

Inverse Universe

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



255, 0, 20



0, 255, 106



128, 115, 116



191, 0, 15



64, 0, 5

Previews

White Background



This preview shows how the RGB color 235, 0, 255 looks on a white background.

Color Contrast Check

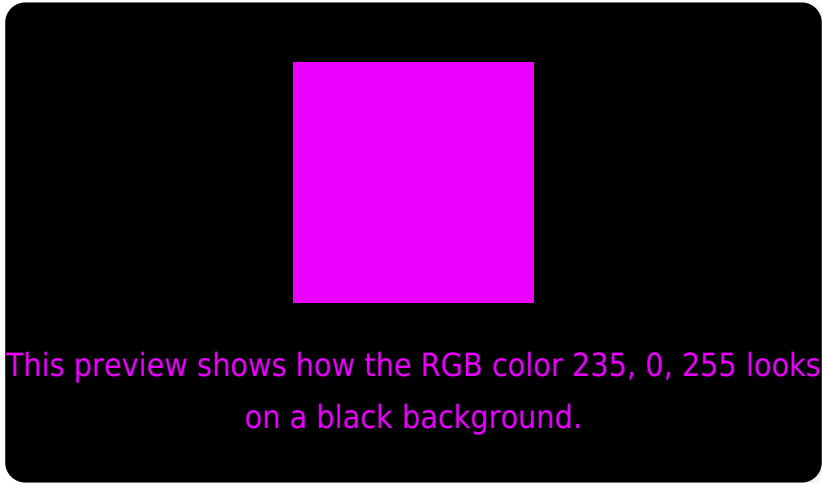
Large Text (above 18pt) WCAG AA ✓ Pass

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 235, 0, 255 Background



This preview shows how black text looks on a background with the RGB color 235, 0, 255.

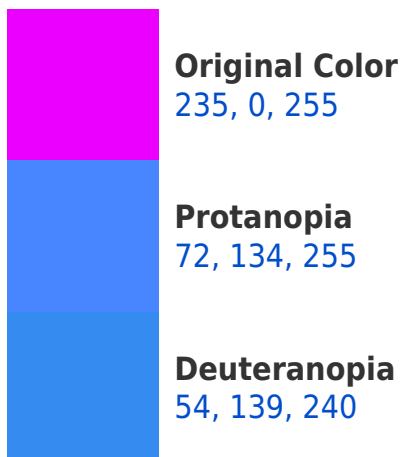


This preview shows how white text looks on a background with the RGB color 235, 0, 255.

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





Tritanopia
217, 100, 107

Trichromacy



Original Color

235, 0, 255



Protanomaly

131, 85, 255



Deuteranomaly

120, 88, 245



Tritanomaly

224, 64, 161

Monochromacy



Original Color

235, 0, 255



Achromatopsia

99, 99, 99



Achromatomaly

148, 63, 156

CSS Examples

Text

The CSS property to change the color of the text to RGB 235, 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(235, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 255) }
```

Border

The CSS property to change the border of an element to RGB 235, 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(235, 0, 255) }
```

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

```
.border{ border-color:rgb(235, 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(235, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 235, 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(235, 0, 255) }
```

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

```
.background{ background-color: rgb(235, 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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