

Converting Colors

RGB(235, 0, 235)

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

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Color

RGB(235, 0, 235)

Conversions

Conversions Part 1

Format	Color
Hex	EB00EB
RGB	235, 0, 235
RGB Percent	92%, 0%, 92%
CMY	0.0784, 1.0000, 0.0784
CMYK	0.00, 1.00, 0.00, 0.08
HSL	300°, 100%, 46%
HSV	300°, 100%, 92%
XYZ	49.2563, 23.6603, 80.5681
YIQ	97.0550, 64.6250, 122.9050

Conversions

Conversions Part 2

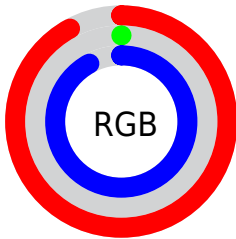
Format	Color
R _{YB}	235, 0, 235
Decimal	15401195
CIE Lab	55.75, 92.37, -57.20
CIE LCh	56, 108.641, 328.233
Yxy	23.6603, 0.3209, 0.1542
Android (android.graphics.Color)	4293591275 (0xFFEB00EB)
YUV	97.0550, 68.0069, 120.9778
Hunter-Lab	48.6419, 95.6316, -64.1558

Details

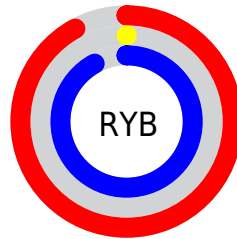
The RGB color **235, 0, 235** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **0, 235, 0**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **255, 101, 255**, and **174, 0, 178** is the 20% darker color. If you saturate the color by 10%, you get **235, 0, 235**, and if you desaturate by 10%, it is **235, 23, 235**.

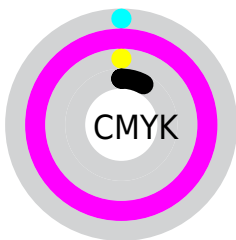
Distribution



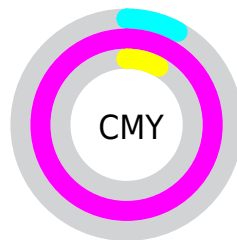
- Red (92%)
- Green (0%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

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



235, 0, 235



235, 0, 235

255, 255, 255



204, 0, 206



255, 101, 255



174, 0, 178



255, 133, 255



144, 0, 151



255, 164, 255



115, 0, 124



255, 195, 255



85, 0, 99



255, 226, 255



57, 0, 74



25, 0, 50




0, 1, 28




0, 0, 0

 235, 0, 235

 235, 23, 235

 235, 47, 235

 235, 71, 235

 235, 94, 235

 235, 118, 235

 235, 141, 235

 235, 164, 235

 235, 188, 235

 235, 211, 235

Harmonies

Analogous

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



78, 111, 255



235, 0, 235



255, 0, 144

Triad

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



235, 0, 235



168, 129, 0



0, 170, 222

Complementary

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



235, 0, 235



0, 235, 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, 168, 125



235, 0, 235



68, 153, 0

Square

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



235, 0, 235



237, 81, 0



0, 164, 0



0, 166, 255

Rectangle

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



235, 0, 235



255, 0, 82



0, 164, 0



0, 170, 191

Sweetspot

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



235, 0, 235



255, 179, 255



0, 0, 235



128, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



235, 0, 235



255, 0, 255



235, 0, 118



117, 106, 117



181, 0, 181



54, 0, 54

Inverse Universe

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



235, 0, 235



255, 0, 255



0, 235, 118



117, 106, 117



181, 0, 181



54, 0, 54

Previews

White Background



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

Color Contrast Check

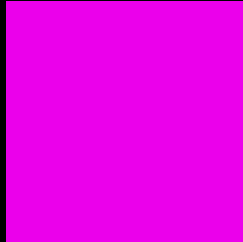
Large Text (above 18pt) WCAG AA ✓ Pass

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 235, 0, 235 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 235, 0, 235 Background



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

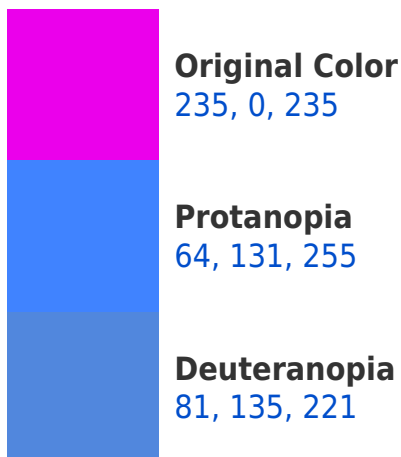


This preview shows how white text looks on a background with the RGB color 235, 0, 235.

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
220, 92, 98

Trichromacy



Original Color

235, 0, 235



Protanomaly

126, 83, 248



Deuteranomaly

137, 86, 226



Tritanomaly

225, 59, 148

Monochromacy



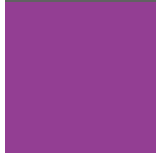
Original Color

235, 0, 235



Achromatopsia

97, 97, 97



Achromatomaly

147, 62, 147

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(235, 0, 235)  
}
```

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, 235) colored shadow looks like.

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

Border

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

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

```
.border{ border-color:rgb(235, 0, 235) }
```

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, 235)` colored shadow looks like.

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

Background

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

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

```
.background{ background-color: rgb(235, 0,  
235) }
```

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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