

Converting Colors

RGB(234, 0, 238)

Have a look what the booklet for
RGB(234, 0, 238) contains.

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Color

RGB(234, 0, 238)

Conversions

Conversions Part 1

Format	Color
Hex	EA00EE
RGB	234, 0, 238
RGB Percent	92%, 0%, 93%
CMY	0.0824, 1.0000, 0.0667
CMYK	0.02, 1.00, 0.00, 0.07
HSL	299°, 100%, 47%
HSV	299°, 100%, 93%
XYZ	49.3643, 23.6655, 82.8550
YIQ	97.0980, 63.0660, 123.6260

Conversions

Conversions Part 2

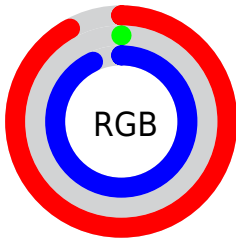
Format	Color
RYB	234, 0, 238
Decimal	15335662
CIELab	55.75, 92.64, -58.88
CIELCh	56, 109.767, 327.558
Yxy	23.6655, 0.3167, 0.1518
Android (android.graphics.Color)	4293525742 (0xFFEA00EE)
YUV	97.0980, 69.4647, 120.0631
Hunter-Lab	48.6472, 95.9988, -66.9287

Details

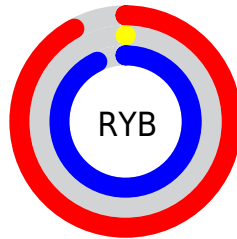
The RGB color **234, 0, 238** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **4, 238, 0**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **255, 101, 255**, and **173, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **234, 0, 238**, and if you desaturate by 10%, it is **234, 24, 238**.

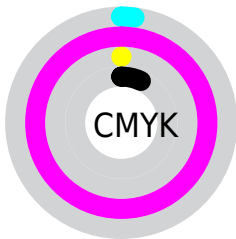
Distribution



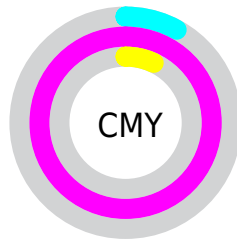
- Red (92%)
- Green (0%)
- Blue (93%)



- Red (92%)
- Yellow (0%)
- Blue (93%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)




















- Cyan (8%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 234, 0, 238 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 234, 0, 238 by changing the saturation by 10% instead.

 234, 0, 238	 234, 0, 238
 255, 255, 255	 203, 0, 209
 255, 101, 255	 173, 0, 181
 255, 133, 255	 143, 0, 154
 255, 164, 255	 114, 0, 127
 255, 195, 255	 84, 0, 101
 255, 226, 255	 55, 0, 76
	 23, 0, 52
	 0, 2, 30
	 0, 0, 0


 234, 0, 238


 234, 24, 238


 235, 48, 238


 235, 71, 238

 236, 95, 238

 236, 119, 238

 236, 143, 238

 237, 167, 238

 237, 190, 238

 238, 214, 238

Harmonies

Analogous

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



66, 112, 255



234, 0, 238



255, 0, 146

Triad

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



234, 0, 238



169, 128, 0



0, 170, 221

Complementary

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



234, 0, 238



4, 238, 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, 169, 123



234, 0, 238



70, 153, 0

Square

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



234, 0, 238



239, 78, 0



0, 164, 0



0, 167, 255

Rectangle

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



234, 0, 238



255, 0, 84



0, 164, 0



0, 170, 189

Sweetspot

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



234, 0, 238



254, 179, 255



0, 8, 238



127, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 0, 238



251, 0, 255



238, 0, 127



120, 108, 120



181, 0, 184



55, 0, 56

Inverse Universe

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



238, 0, 4



255, 0, 4



0, 238, 111



120, 108, 108



184, 0, 3



56, 0, 1

Previews

White Background



This preview shows how the RGB color 234, 0, 238 looks on a white background.

Color Contrast Check

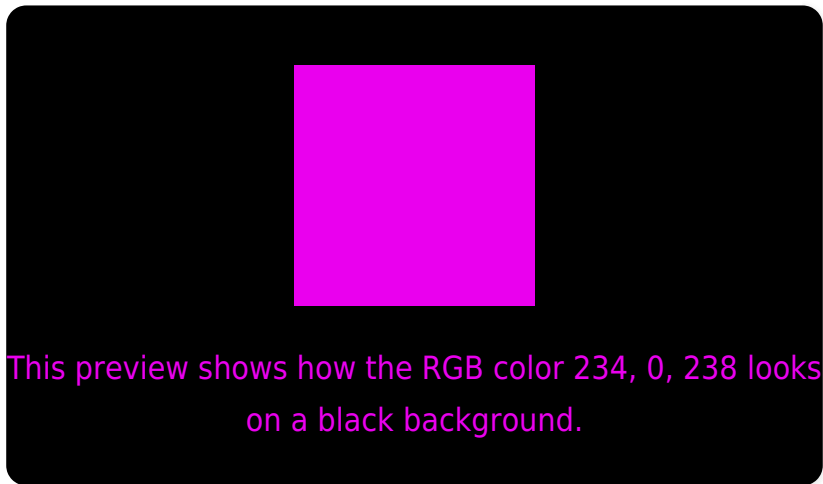
Large Text (above 18pt) WCAG AA ✓ Pass

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

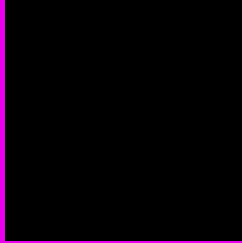
Any Text WCAG AA ✓ Pass

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 234, 0, 238 Background



This preview shows how black text looks on a background with the RGB color 234, 0, 238.

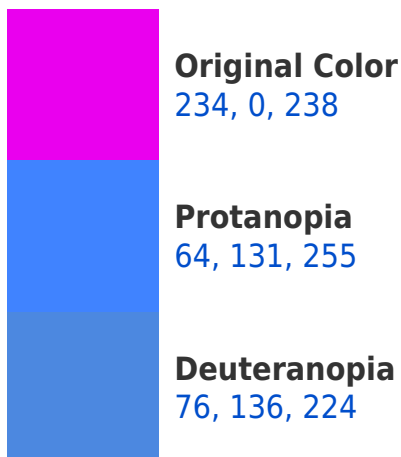



This preview shows how white text looks on a background with the RGB color 234, 0, 238.

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
219, 93, 100

Trichromacy



Original Color

234, 0, 238



Protanomaly

126, 83, 249



Deuteranomaly

133, 87, 229



Tritanomaly

224, 59, 150

Monochromacy



Original Color

234, 0, 238



Achromatopsia

97, 97, 97



Achromatomaly

147, 62, 148

CSS Examples

Text

The CSS property to change the color of the text to RGB 234, 0, 238 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(234, 0, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 238)  
}
```

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(234, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 238) }
```

Border

The CSS property to change the border of an element to RGB 234, 0, 238 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(234, 0, 238) }
```

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

```
.border{ border-color:rgb(234, 0, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 234, 0, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 238) }
```

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

```
.background{ background-color: rgb(234, 0,  
238) }
```

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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