

Converting Colors

RGB(236, 12, 255)

Have a look what the booklet for
RGB(236, 12, 255) contains.

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Color

RGB(236, 12, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EC0CFF
RGB	236, 12, 255
RGB Percent	93%, 5%, 100%
CMY	0.0745, 0.9529, 0.0000
CMYK	0.07, 0.95, 0.00, 0.00
HSL	295°, 100%, 52%
HSV	295°, 95%, 100%
XYZ	52.7735, 25.3158, 96.7127
YIQ	106.6780, 55.5010, 123.0610

Conversions

Conversions Part 2

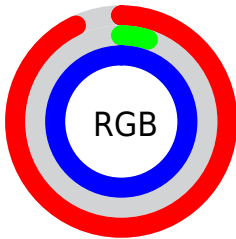
Format	Color
R _Y B	236, 12, 255
Decimal	15469823
CIE Lab	57.38, 94.66, -65.73
CIE LCh	57, 115.240, 325.223
Yxy	25.3158, 0.3019, 0.1448
Android (android.graphics.Color)	4293659903 (0xFFEC0CFF)
YUV	106.6780, 73.1227, 113.4154
Hunter-Lab	50.3148, 99.1718, -78.7440

Details

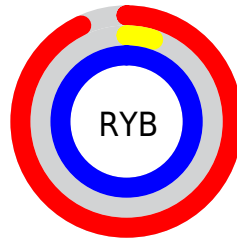
The RGB color **236, 12, 255** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **31, 255, 12**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **255, 104, 255**, and **175, 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 **238, 38, 255**.

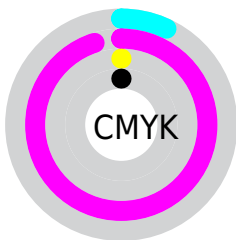
Distribution



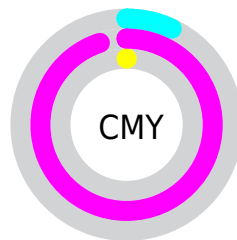
- Red (93%)
- Green (5%)
- Blue (100%)



- Red (93%)
- Yellow (5%)
- Blue (100%)



- Cyan (7%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





















- Cyan (7%)
- Magenta (95%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the RGB color 236, 12, 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 236, 12, 255 by changing the saturation by 10% instead.


 236, 12, 255	 236, 12, 255
 255, 255, 255	 205, 0, 226
 255, 104, 255	 175, 0, 197
 255, 136, 255	 145, 0, 169
 255, 168, 255	 115, 0, 142
 255, 198, 255	 85, 0, 116
 255, 229, 255	 56, 0, 90
	 21, 0, 65
	 0, 3, 42
	 0, 1, 20

 236, 12, 255

 236, 12, 255


 235, 0, 255


 238, 38, 255


 240, 63, 255

 242, 89, 255

 244, 114, 255

 246, 140, 255

 248, 165, 255

 250, 191, 255

 252, 216, 255

 254, 242, 255

Harmonies

Analogous

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



0, 119, 255



236, 12, 255



255, 0, 159

Triad

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



236, 12, 255



181, 129, 0



0, 176, 222

Complementary

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



236, 12, 255



31, 255, 12

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, 118



236, 12, 255



80, 156, 0

Square

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



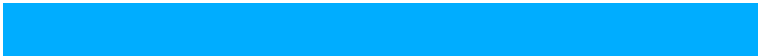
236, 12, 255



253, 72, 0



0, 169, 0



0, 173, 255

Rectangle

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



236, 12, 255



255, 0, 93



0, 169, 0



0, 176, 189

Sweetspot

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



236, 12, 255



249, 181, 255



12, 32, 255



124, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



236, 12, 255



235, 0, 255



255, 12, 154



127, 115, 128



176, 0, 191



59, 0, 64

Inverse Universe

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



255, 12, 31



255, 0, 20



12, 255, 113



128, 115, 116



191, 0, 15



64, 0, 5

Previews

White Background



This preview shows how the RGB color 236, 12, 255 looks on a white background.

Color Contrast Check

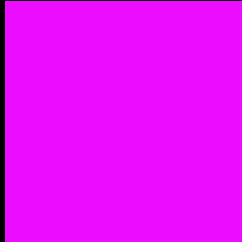
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 236, 12, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

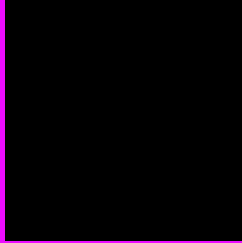
Any Text WCAG AA ✓ Pass

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 236, 12, 255 Background



This preview shows how black text looks on a background with the RGB color 236, 12, 255.



This preview shows how white text looks on a background with the RGB color 236, 12, 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
236, 12, 255

Protanopia
74, 135, 255

Deuteranopia
57, 140, 240



Tritanopia
218, 100, 107

Trichromacy



Original Color

236, 12, 255



Protanomaly

133, 90, 255



Deuteranomaly

122, 93, 245



Tritanomaly

225, 68, 161

Monochromacy



Original Color

236, 12, 255



Achromatopsia

107, 107, 107



Achromatomaly

154, 72, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 236, 12, 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(236, 12, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 12, 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(236, 12, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 12, 255) }
```

Border

The CSS property to change the border of an element to RGB 236, 12, 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(236, 12, 255) }
```

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

```
.border{ border-color:rgb(236, 12, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 12, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 12, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 12, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 12,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 236, 12, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 12, 255) }
```

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

```
.background{ background-color: rgb(236, 12,  
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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