

Converting Colors

`RYB(236, 12, 252)`

Have a look what the booklet for
RYB(236, 12, 252) contains.

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Color

R_YB(236, 12, 252)

Conversions

Conversions Part 1

Format	Color
Hex	EC0CFC
RGB	236, 12, 252
RGB Percent	93%, 5%, 99%
CMY	0.0745, 0.9529, 0.0118
CMYK	0.06, 0.95, 0.00, 0.01
HSL	296°, 98%, 52%
HSV	296°, 95%, 99%
XYZ	52.2942, 25.1241, 94.1887
YIQ	106.3360, 56.4640, 122.1280

Conversions

Conversions Part 2

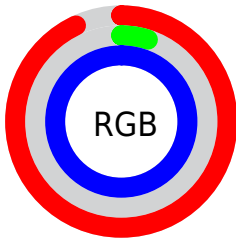
Format	Color
R _Y B	236, 12, 252
Decimal	15469820
CIE Lab	57.20, 94.21, -64.36
CIE LCh	57, 114.096, 325.658
Yxy	25.1241, 0.3047, 0.1464
Android (android.graphics.Color)	4293659900 (0xFFEC0CFC)
YUV	106.3360, 71.8124, 113.7153
Hunter-Lab	50.1239, 98.5119, -76.3260

Details

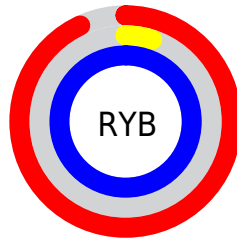
The RYB color **236, 12, 252** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **12, 252, 236**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **255, 104, 255**, and **175, 0, 194** is the 20% darker color. If you saturate the color by 10%, you get **235, 0, 252**, and if you desaturate by 10%, it is **238, 37, 252**.

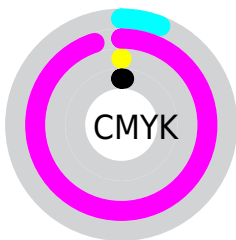
Distribution



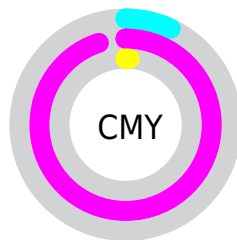
- Red (93%)
- Green (5%)
- Blue (99%)



- Red (93%)
- Yellow (5%)
- Blue (99%)



- Cyan (6%)
- Magenta (95%)
- Yellow (0%)
- Black (1%)




















- Cyan (7%)
- Magenta (95%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 12, 252 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 RYB color 236, 12, 252 by changing the saturation by 10% instead.

 236, 12, 252	 236, 12, 252
 255, 255, 255	 205, 0, 223
 255, 104, 255	 175, 0, 194
 255, 136, 255	 145, 0, 166
 255, 167, 255	 115, 0, 139
 255, 198, 255	 85, 0, 113
 255, 229, 255	 56, 0, 88
	 22, 0, 63
	 0, 3, 40
	 0, 1, 17

■ 236, 12, 252

■ 236, 12, 252

■ 235, 0, 252

■ 238, 37, 252

■ 239, 62, 252

■ 241, 88, 252

■ 243, 113, 252

■ 244, 138, 252

■ 246, 163, 252

■ 248, 188, 252

■ 249, 214, 252

■ 251, 239, 252

Harmonies

Analogous

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



0, 81, 255



236, 12, 252



255, 0, 157

Triad

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



236, 12, 252



69, 179, 0



0, 98, 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, 252



12, 252, 236

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, 102, 173



236, 12, 252



0, 156, 77

Square

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



236, 12, 252



251, 105, 0



0, 168, 168



0, 103, 255

Rectangle

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



236, 12, 252



255, 0, 92



0, 168, 168



0, 91, 189

Sweetspot

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



236, 12, 252



250, 181, 255



12, 27, 252



125, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



236, 12, 252



238, 0, 255



252, 12, 148



124, 112, 125



176, 0, 189



57, 0, 61

Inverse Universe

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



252, 12, 28



255, 0, 17



12, 179, 252



125, 112, 113



189, 0, 13



61, 0, 4

Previews

White Background



This preview shows how the RYB color 236, 12, 252 looks on a white background.

Color Contrast Check

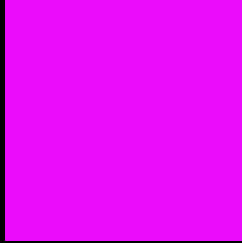
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 236, 12, 252 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, 252 Background



This preview shows how black text looks on a background with the RGB color 236, 12, 252.

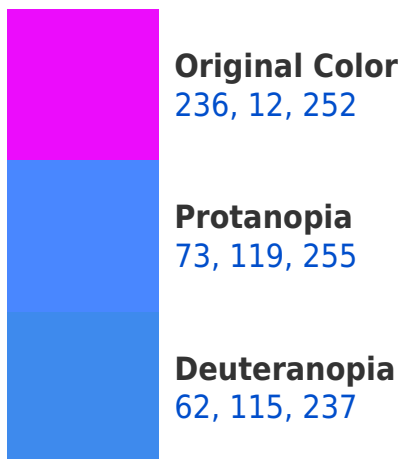


This preview shows how white text looks on a background with the RGB color 236, 12, 252.

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, 99, 106

Trichromacy



Original Color

236, 12, 252



Protanomaly

132, 90, 254



Deuteranomaly

125, 93, 242



Tritanomaly

225, 67, 159

Monochromacy



Original Color

236, 12, 252



Achromatopsia

106, 106, 106



Achromatomaly

153, 72, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 12, 252 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, 252) looks like.

```
.text, #text, p{  
    color:rgb(236, 12, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 12, 252) }
```

Border

The CSS property to change the border of an element to RYB 236, 12, 252 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, 252) }
```

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

```
.border{ border-color:rgb(236, 12, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 12, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 12, 252);  
box-shadow:4px 4px 4px 4px rgb(236, 12,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 236, 12, 252 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, 252) }
```

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

```
.background{ background-color: rgb(236, 12,  
252) }
```

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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