

Converting Colors

`RYB(237, 48, 254)`

Have a look what the booklet for
RYB(237, 48, 254) contains.

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Color

RYB(237, 48, 254)

Conversions

Conversions Part 1

Format	Color
Hex	ED30FE
RGB	237, 48, 254
RGB Percent	93%, 19%, 100%
CMY	0.0706, 0.8118, 0.0039
CMYK	0.07, 0.81, 0.00, 0.00
HSL	295°, 99%, 59%
HSV	295°, 81%, 100%
XYZ	53.8714, 27.2742, 96.1910
YIQ	127.9950, 46.5180, 104.1340

Conversions

Conversions Part 2

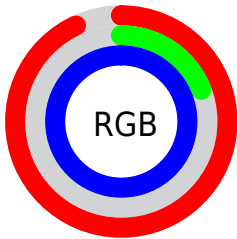
Format	Color
RYB	237, 48, 254
Decimal	15544574
CIELab	59.23, 89.53, -62.20
CIELCh	59, 109.019, 325.210
Yxy	27.2742, 0.3038, 0.1538
Android (android.graphics.Color)	4293734654 (0xFFED30FE)
YUV	127.9950, 62.1205, 95.5974
Hunter-Lab	52.2247, 92.7351, -72.6471

Details

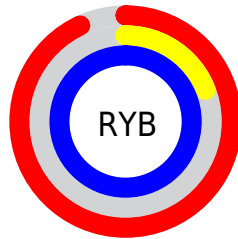
The RYB color **237, 48, 254** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **48, 254, 237**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **255, 118, 255**, and **176, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **235, 23, 254**, and if you desaturate by 10%, it is **239, 73, 254**.

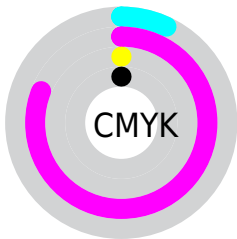
Distribution



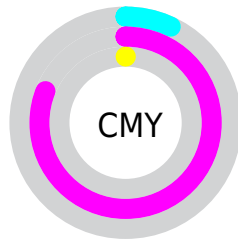
- Red (93%)
- Green (19%)
- Blue (100%)



- Red (93%)
- Yellow (19%)
- Blue (100%)



- Cyan (7%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)




















- Cyan (7%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 48, 254 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 237, 48, 254 by changing the saturation by 10% instead.

 237, 48, 254	 237, 48, 254
 255, 255, 255	 206, 0, 225
 255, 118, 255	 176, 0, 196
 255, 149, 255	 146, 0, 168
 255, 180, 255	 117, 0, 141
 255, 210, 255	 87, 0, 115
 255, 241, 255	 60, 0, 90
	 26, 0, 65
	 0, 3, 41
	 0, 1, 20

■ 237, 48, 254

■ 237, 48, 254

■ 235, 23, 254

■ 239, 73, 254

■ 233, 0, 254

■ 241, 99, 254

■ 243, 124, 254

■ 245, 150, 254

■ 247, 175, 254

■ 250, 200, 254

■ 252, 226, 254

■ 254, 251, 254

254, 255, 254

Harmonies

Analogous

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



47, 104, 255



237, 48, 254



255, 0, 162

Triad

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



237, 48, 254



72, 186, 0



0, 100, 223

Complementary

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



237, 48, 254



48, 254, 237

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, 105, 178



237, 48, 254



0, 160, 68

Square

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



237, 48, 254



255, 123, 0



0, 173, 173



0, 104, 255

Rectangle

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



237, 48, 254



255, 0, 100



0, 173, 173



0, 93, 191

Sweetspot

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



237, 48, 254



250, 194, 255



48, 64, 254



124, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



237, 48, 254



235, 8, 255



254, 48, 168



126, 115, 128



175, 0, 191



58, 0, 64

Inverse Universe

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



254, 48, 65



255, 8, 28



48, 193, 254



128, 115, 116



191, 0, 16



64, 0, 5

Previews

White Background



This preview shows how the RYB color 237, 48, 254 looks on a white background.

Color Contrast Check

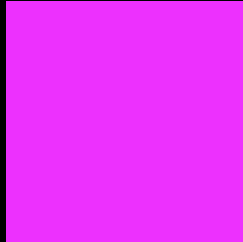
Large Text (above 18pt) WCAG AA ✓ Pass

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 237, 48, 254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

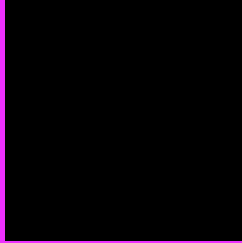
Any Text WCAG AA ✓ Pass

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](#).

RYB 237, 48, 254 Background



This preview shows how black text looks on a background with the RYB color 237, 48, 254.



This preview shows how white text looks on a background with the RYB color 237, 48, 254.

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

237, 48, 254

Protanopia

85, 126, 255

Deuteranopia

75, 124, 240



Tritanopia
220, 107, 114

Trichromacy



Original Color

237, 48, 254



Protanomaly

140, 106, 255



Deuteranomaly

134, 109, 245



Tritanomaly

226, 86, 165

Monochromacy



Original Color

237, 48, 254



Achromatopsia

128, 128, 128



Achromatomaly

168, 99, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 48, 254 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(237, 48, 254)` looks like.

```
.text, #text, p{  
    color:rgb(237, 48, 254)  
}
```

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(237, 48, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 48, 254) }
```

Border

The CSS property to change the border of an element to RYB 237, 48, 254 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(237, 48, 254) }
```

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

```
.border{ border-color:rgb(237, 48, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 48, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 48, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 48, 254);  
box-shadow:4px 4px 4px 4px rgb(237, 48,  
254) }
```

Background

The CSS property to change the background color of an element to RGB 237, 48, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 48, 254) }
```

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

```
.background{ background-color: rgb(237, 48,  
254) }
```

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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