

Converting Colors

`RYB(235, 71, 248)`

Have a look what the booklet for
RYB(235, 71, 248) contains.

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Color

R_YB(235, 71, 248)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EB47F8 |
| RGB | 235, 71, 248 |
| RGB Percent | 92%, 28%, 97% |
| CMY | 0.0784, 0.7216, 0.0275 |
| CMYK | 0.05, 0.71, 0.00, 0.03 |
| HSL | 296°, 93%, 63% |
| HSV | 296°, 71%, 97% |
| XYZ | 53.4575, 28.9460, 91.5765 |
| YIQ | 140.2140, 40.9270, 89.8150 |

Conversions

Conversions Part 2

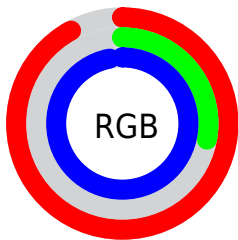
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 235, 71, 248 |
| Decimal | 15419384 |
| CIE Lab | 60.73, 81.97, -56.49 |
| CIE LCh | 61, 99.552, 325.430 |
| Yxy | 28.9460, 0.3073, 0.1664 |
| Android (android.graphics.Color) | 4293609464 (0xFFEB47F8) |
| YUV | 140.2140, 53.1385, 83.1273 |
| Hunter-Lab | 53.8014, 83.2062, -63.2577 |

Details

The RYB color **235, 71, 248** 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 **71, 248, 235**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **255, 133, 255**, and **175, 0, 191** is the 20% darker color. If you saturate the color by 10%, you get **233, 46, 248**, and if you desaturate by 10%, it is **237, 96, 248**.

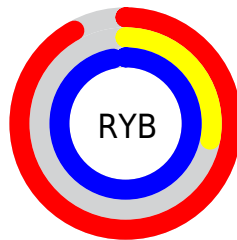
Distribution



Red (92%)

Green (28%)

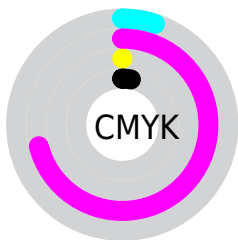
Blue (97%)



Red (92%)

Yellow (28%)

Blue (97%)

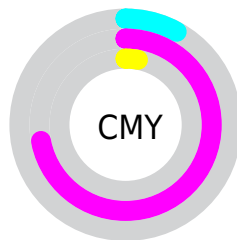


Cyan (5%)

Magenta (71%)

Yellow (0%)

Black (3%)



Cyan (8%)

Magenta (72%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 71, 248 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 235, 71, 248 by changing the saturation by 10% instead.



235, 71, 248



235, 71, 248

255, 255, 255



205, 31, 219



255, 133, 255



175, 0, 191



255, 163, 255



146, 0, 163



255, 193, 255



117, 0, 136



255, 223, 255



88, 0, 110



255, 253, 255



61, 0, 85



29, 0, 61




0, 2, 37




0, 1, 14


 235, 71, 248

 235, 71, 248


 233, 46, 248


 237, 96, 248


 231, 21, 248

 239, 121, 248

 230, 0, 248

 240, 145, 248

 242, 170, 248

 244, 195, 248

 246, 220, 248

 248, 245, 248

 248, 255, 253

 248, 255, 252

Harmonies

Analogous

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



87, 121, 255



235, 71, 248



255, 0, 164

Triad

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



235, 71, 248



68, 189, 0



0, 100, 220

Complementary

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



235, 71, 248



71, 248, 235

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, 181



235, 71, 248



0, 163, 59

Square

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



235, 71, 248



252, 155, 0



0, 153, 176



0, 105, 255

Rectangle

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



235, 71, 248



255, 0, 106



0, 153, 176



0, 93, 191

Sweetspot

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



235, 71, 248



251, 201, 255



71, 85, 248



125, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



235, 71, 248



239, 36, 255



248, 71, 174



124, 112, 125



175, 0, 189



57, 0, 61

Inverse Universe

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



248, 71, 84



255, 36, 52



71, 196, 248



125, 112, 113



189, 0, 14



61, 0, 4

Previews

White Background



This preview shows how the RYB color 235, 71, 248 looks on a white background.

Color Contrast Check

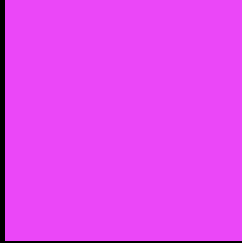
Large Text (above 18pt) WCAG AA ✓ Pass

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 235, 71, 248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

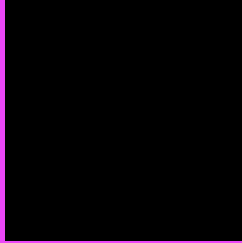
Any Text WCAG AA ✓ Pass

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, 71, 248 Background



This preview shows how black text looks on a background with the RGB color 235, 71, 248.



This preview shows how white text looks on a background with the RGB color 235, 71, 248.

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
235, 71, 248

Protanopia
94, 132, 255

Deuteranopia
94, 133, 236



Tritanopia
220, 114, 122

Trichromacy



Original Color

235, 71, 248



Protanomaly

145, 117, 252



Deuteranomaly

145, 119, 240



Tritanomaly

225, 98, 168

Monochromacy



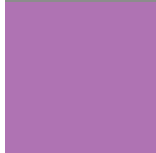
Original Color

235, 71, 248



Achromatopsia

140, 140, 140



Achromatomaly

175, 115, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 71, 248 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, 71, 248) looks like.

```
.text, #text, p{  
    color:rgb(235, 71, 248)  
}
```

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, 71, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 71, 248) }
```

Border

The CSS property to change the border of an element to RYB 235, 71, 248 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, 71, 248) }
```

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

```
.border{ border-color:rgb(235, 71, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 71, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 71, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 71, 248);  
box-shadow:4px 4px 4px 4px rgb(235, 71,  
248) }
```

Background

The CSS property to change the background color of an element to RGB 235, 71, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 71, 248) }
```

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

```
.background{ background-color: rgb(235, 71,  
248) }
```

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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