

Converting Colors

`RYB(238, 71, 199)`

Have a look what the booklet for
RYB(238, 71, 199) contains.

RYB(238, 71, 199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(238, 71, 199)`

Conversions

Conversions Part 1

Format	Color
Hex	EE47C7
RGB	238, 71, 199
RGB Percent	93%, 28%, 78%
CMY	0.0667, 0.7216, 0.2196
CMYK	0.00, 0.70, 0.16, 0.07
HSL	314°, 83%, 61%
HSV	314°, 70%, 93%
XYZ	47.8219, 26.8071, 56.6866
YIQ	135.5250, 58.4440, 75.2120

Conversions

Conversions Part 2

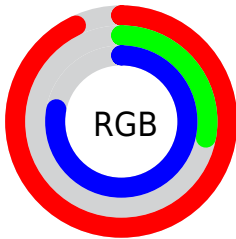
Format	Color
R _Y B	238, 71, 199
Decimal	15615943
CIE Lab	58.80, 75.29, -31.94
CIE LCh	59, 81.779, 337.014
Yxy	26.8071, 0.3642, 0.2041
Android (android.graphics.Color)	4293806023 (0xFFEE47C7)
YUV	135.5250, 31.2932, 89.8706
Hunter-Lab	51.7756, 74.2621, -28.6708

Details

The RYB color **238, 71, 199** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **71, 206, 238**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 132, 255**, and **178, 0, 145** is the 20% darker color. If you saturate the color by 10%, you get **238, 47, 193**, and if you desaturate by 10%, it is **238, 95, 205**.

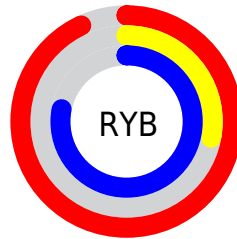
Distribution



Red (93%)

Green (28%)

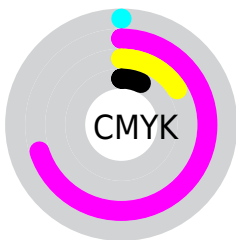
Blue (78%)



Red (93%)

Yellow (28%)

Blue (78%)

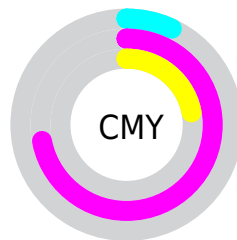


Cyan (0%)

Magenta (70%)

Yellow (16%)

Black (7%)



Cyan (7%)


Magenta (72%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 238, 71, 199 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 238, 71, 199 by changing the saturation by 10% instead.

 238, 71, 199

 238, 71, 199

255, 255, 255

 208, 33, 171

 255, 132, 255

 178, 0, 145


 255, 162, 255

 149, 0, 119

 255, 191, 255

 120, 0, 94

 255, 221, 255

 91, 0, 70

 255, 251, 255

 65, 0, 47

 35, 0, 25

 0, 0, 0

 238, 71, 199

 238, 71, 199

■ 238, 47, 193

■ 238, 95, 205

■ 238, 23, 188

■ 238, 119, 210

■ 238, 0, 182

■ 238, 142, 216

■ 238, 166, 221

■ 238, 190, 227

■ 238, 214, 232

■ 238, 238, 238

■ 238, 251, 255

■ 238, 248, 255

Harmonies

Analogous

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



161, 113, 255



238, 71, 199



255, 47, 128

Triad

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



238, 71, 199



13, 156, 0



0, 98, 227

Complementary

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



238, 71, 199



71, 206, 238

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, 90, 172



238, 71, 199



0, 161, 85

Square

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



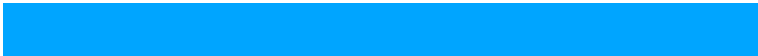
238, 71, 199



181, 214, 0



0, 114, 169



0, 100, 255

Rectangle

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



238, 71, 199



255, 65, 81



0, 114, 169



0, 94, 205

Sweetspot

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



238, 71, 199



255, 201, 242



110, 71, 238



128, 96, 120



0, 0, 0



128, 128, 128

Same Dimension

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



238, 71, 199



255, 41, 205



238, 71, 116



120, 108, 117



184, 0, 141



56, 0, 43

Inverse Universe

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



238, 71, 199



255, 41, 205



71, 168, 238



120, 108, 117



184, 0, 141



56, 0, 43

Previews

White Background



This preview shows how the RYB color 238, 71, 199 looks on a white background.

Color Contrast Check

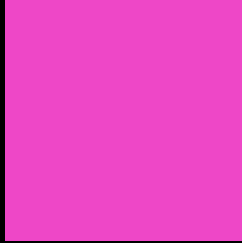
Large Text (above 18pt) WCAG AA ✓ Pass

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 238, 71, 199 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 238, 71, 199 Background



This preview shows how black text looks on a background with the RYB color 238, 71, 199.

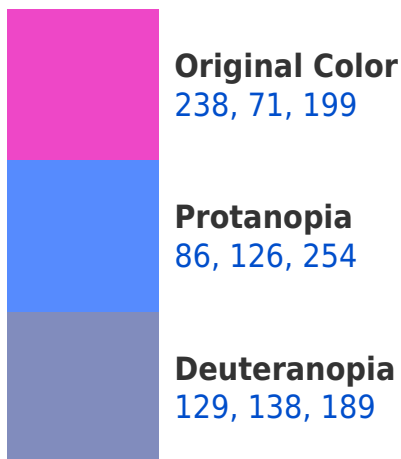


This preview shows how white text looks on a background with the RYB color 238, 71, 199.

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
229, 99, 106

Trichromacy



Original Color
238, 71, 199



Protanomaly
141, 114, 234



Deuteranomaly
169, 115, 193



Tritanomaly
232, 89, 140

Monochromacy



Original Color
238, 71, 199



Achromatopsia
136, 136, 136



Achromatomaly
173, 112, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 238, 71, 199 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(238, 71, 199) looks like.

```
.text, #text, p{  
    color:rgb(238, 71, 199)  
}
```

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(238, 71, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 71, 199) }
```

Border

The CSS property to change the border of an element to RYB 238, 71, 199 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(238, 71, 199) }
```

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

```
.border{ border-color:rgb(238, 71, 199) }
```

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

Here you see how a box with a 4 pixel rgb(238, 71, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 71, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 71, 199);  
box-shadow:4px 4px 4px 4px rgb(238, 71,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 238, 71, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 71, 199) }
```

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

```
.background{ background-color: rgb(238, 71,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor