

Converting Colors

`RYB(247, 52, 239)`

Have a look what the booklet for RYB(247, 52, 239) contains.

RYB(247, 52, 239)	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

R_YB(247, 52, 239)

Conversions

Conversions Part 1

Format	Color
Hex	F734EF
RGB	247, 52, 239
RGB Percent	97%, 20%, 94%
CMY	0.0314, 0.7961, 0.0627
CMYK	0.00, 0.79, 0.03, 0.03
HSL	302°, 92%, 59%
HSV	302°, 79%, 97%
XYZ	55.1658, 28.4621, 84.2475
YIQ	131.6230, 56.1930, 99.4970

Conversions

Conversions Part 2

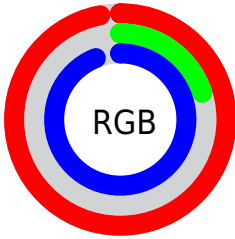
Format	Color
R _{YB}	247, 52, 239
Decimal	16200943
CIE Lab	60.30, 88.18, -52.05
CIE LCh	60, 102.395, 329.447
Yxy	28.4621, 0.3286, 0.1695
Android (android.graphics.Color)	4294391023 (0xFFFF734EF)
YUV	131.6230, 52.9369, 101.1856
Hunter-Lab	53.3499, 91.2131, -56.2829

Details

The RYB color **247, 52, 239** 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 **52, 239, 247**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **255, 121, 255**, and **186, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **247, 27, 238**, and if you desaturate by 10%, it is **247, 77, 240**.

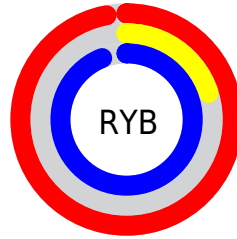
Distribution



Red (97%)

Green (20%)

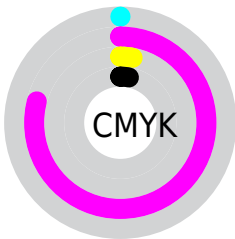
Blue (94%)



Red (97%)

Yellow (20%)

Blue (94%)

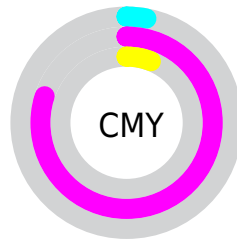


Cyan (0%)

Magenta (79%)

Yellow (3%)

Black (3%)



Cyan (3%)

















Magenta (80%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 247, 52, 239 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 247, 52, 239 by changing the saturation by 10% instead.

 247, 52, 239	 247, 52, 239
255, 255, 255	 216, 0, 210
 255, 121, 255	 186, 0, 182
 255, 152, 255	 156, 0, 155
 255, 183, 255	 127, 0, 128
 255, 213, 255	 98, 0, 102
 255, 244, 255	 71, 0, 78
	 40, 0, 54
	 0, 0, 31
	 0, 0, 2

■ 247, 52, 239

■ 247, 52, 239

■ 247, 27, 238

■ 247, 77, 240

■ 247, 3, 237

■ 247, 101, 241

■ 247, 0, 237

■ 247, 126, 242

■ 247, 151, 243

■ 247, 176, 244

■ 247, 200, 245

■ 247, 225, 246

■ 247, 250, 250

■ 247, 254, 255

Harmonies

Analogous

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



117, 121, 255



247, 52, 239



255, 0, 151

Triad

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



247, 52, 239



45, 178, 0



0, 102, 233

Complementary

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



247, 52, 239



52, 239, 247

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, 181



247, 52, 239



0, 165, 80

Square

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



247, 52, 239



246, 168, 0



0, 144, 176



0, 104, 255

Rectangle

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



247, 52, 239



255, 0, 92



0, 144, 176



0, 96, 204

Sweetspot

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



247, 52, 239



255, 194, 252



59, 52, 247



128, 91, 126



0, 0, 0



128, 128, 128

Same Dimension

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



247, 52, 239



255, 13, 245



247, 52, 143



122, 110, 122



186, 0, 179



59, 0, 56

Inverse Universe

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



247, 52, 239



255, 13, 245



52, 179, 247



122, 110, 122



186, 0, 179



59, 0, 56

Previews

White Background



This preview shows how the RYB color 247, 52, 239 looks on a white background.

Color Contrast Check

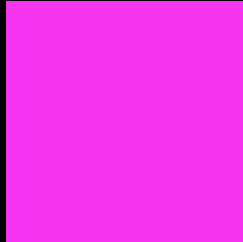
Large Text (above 18pt) WCAG AA ✓ Pass

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 247, 52, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

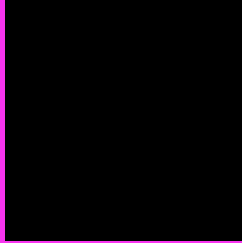
Any Text WCAG AA ✓ Pass

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 247, 52, 239 Background



This preview shows how black text looks on a background with the RGB color 247, 52, 239.



This preview shows how white text looks on a background with the RGB color 247, 52, 239.

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


247, 52, 239

Protanopia

92, 130, 255

Deuteranopia

104, 135, 226



Tritanopia
233, 103, 110

Trichromacy



Original Color

247, 52, 239



Protanomaly

148, 109, 249



Deuteranomaly

156, 111, 231



Tritanomaly

238, 84, 157

Monochromacy



Original Color

247, 52, 239



Achromatopsia

132, 132, 132



Achromatomaly

174, 103, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 247, 52, 239 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(247, 52, 239) looks like.

```
.text, #text, p{  
    color:rgb(247, 52, 239)  
}
```

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(247, 52, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 52, 239) }
```

Border

The CSS property to change the border of an element to RYB 247, 52, 239 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(247, 52, 239) }
```

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

```
.border{ border-color:rgb(247, 52, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 52, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 52, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 52, 239);  
box-shadow:4px 4px 4px 4px rgb(247, 52,  
239) }
```

Background

The CSS property to change the background color of an element to RGB 247, 52, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 52, 239) }
```

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

```
.background{ background-color: rgb(247, 52,  
239) }
```

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