

Converting Colors

RGB(255, 87, 240)

Have a look what the booklet for
RGB(255, 87, 240) contains.

RGB(255, 87, 240)	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

RGB(255, 87, 240)

Conversions

Conversions Part 1

Format	Color
Hex	FF57F0
RGB	255, 87, 240
RGB Percent	100%, 34%, 94%
CMY	0.0000, 0.6588, 0.0588
CMYK	0.00, 0.66, 0.06, 0.00
HSL	305°, 100%, 67%
HSV	305°, 66%, 100%
XYZ	60.3764, 34.3677, 85.8895
YIQ	154.6740, 51.0150, 83.1990

Conversions

Conversions Part 2

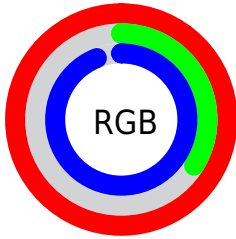
Format	Color
R _Y B	255, 87, 240
Decimal	16734192
CIE Lab	65.25, 79.58, -44.70
CIE LCh	65, 91.279, 330.676
Yxy	34.3677, 0.3342, 0.1903
Android (android.graphics.Color)	4294924272 (0xFFFF57F0)
YUV	154.6740, 42.0657, 87.9859
Hunter-Lab	58.6239, 81.2440, -45.8286

Details

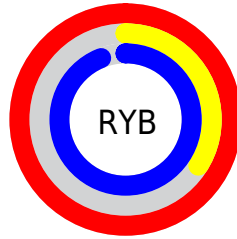
The RGB color **255, 87, 240** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **87, 255, 102**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 148, 255**, and **195, 0, 183** is the 20% darker color. If you saturate the color by 10%, you get **255, 62, 238**, and if you desaturate by 10%, it is **255, 113, 242**.

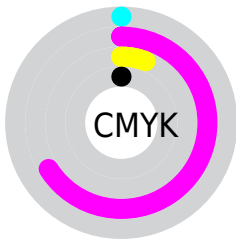
Distribution



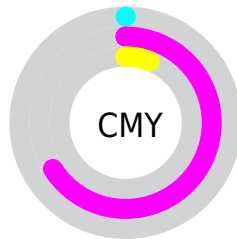
- Red (100%)
- Green (34%)
- Blue (94%)



- Red (100%)
- Yellow (34%)
- Blue (94%)



- Cyan (0%)
- Magenta (66%)
- Yellow (6%)
- Black (0%)



















- Cyan (0%)
- Magenta (66%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RGB color 255, 87, 240 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 RGB color 255, 87, 240 by changing the saturation by 10% instead.

 255, 87, 240	 255, 87, 240
 255, 255, 255	 225, 53, 211
 255, 148, 255	 195, 0, 183
 255, 177, 255	 165, 0, 156
 255, 207, 255	 136, 0, 130
 255, 237, 255	 107, 0, 104
	 79, 0, 79
	 52, 0, 55
	 17, 0, 33
	 0, 0, 5

■ 255, 87, 240

■ 255, 87, 240

■ 255, 62, 238

■ 255, 113, 242

■ 255, 36, 235

■ 255, 138, 245

■ 255, 11, 233

■ 255, 164, 247

■ 255, 0, 232

■ 255, 189, 249

■ 255, 215, 251

■ 255, 240, 254

255, 255, 255

Harmonies

Analogous

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



149, 135, 255



255, 87, 240



255, 45, 160

Triad

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



255, 87, 240



190, 156, 0



0, 193, 240

Complementary

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



255, 87, 240



87, 255, 102

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, 193, 158



255, 87, 240



107, 177, 0

Square

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



255, 87, 240



252, 121, 0



0, 188, 71



0, 187, 255

Rectangle

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



255, 87, 240



255, 58, 106



0, 188, 71



0, 194, 214

Sweetspot

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



255, 87, 240



255, 204, 250



101, 87, 255



128, 97, 125



0, 0, 0



128, 128, 128

Same Dimension

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



255, 87, 240



255, 54, 237



255, 87, 157



128, 115, 126



191, 0, 174



64, 0, 58

Inverse Universe

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



255, 87, 240



255, 54, 237



87, 255, 185



128, 115, 126



191, 0, 174



64, 0, 58

Previews

White Background



This preview shows how the RGB color 255, 87, 240 looks on a white background.

Color Contrast Check

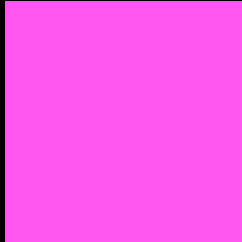
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 255, 87, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

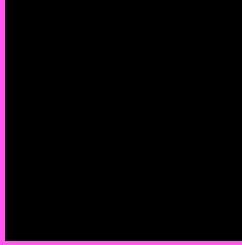
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 255, 87, 240 Background



This preview shows how black text looks on a background with the RGB color 255, 87, 240.



This preview shows how white text looks on a background with the RGB color 255, 87, 240.

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
255, 87, 240

Protanopia
118, 156, 255

Deuteranopia
131, 157, 229



Tritanopia
243, 120, 129

Trichromacy



Original Color
255, 87, 240



Protanomaly
168, 131, 250



Deuteranomaly
176, 132, 233



Tritanomaly
247, 108, 169

Monochromacy



Original Color
255, 87, 240



Achromatopsia
155, 155, 155



Achromatomaly
191, 130, 186

CSS Examples

Text

The CSS property to change the color of the text to RGB 255, 87, 240 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(255, 87, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 240)  
}
```

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(255, 87, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 240) }
```

Border

The CSS property to change the border of an element to RGB 255, 87, 240 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(255, 87, 240) }
```

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

```
.border{ border-color:rgb(255, 87, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 255, 87, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 240) }
```

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

```
.background{ background-color: rgb(255, 87,  
240) }
```

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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