

Converting Colors

`RYB(255, 105, 239)`

Have a look what the booklet for
RYB(255, 105, 239) contains.

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Color

R_YB(255, 105, 239)

Conversions

Conversions Part 1

Format	Color
Hex	FF69EF
RGB	255, 105, 239
RGB Percent	100%, 41%, 94%
CMY	0.0000, 0.5882, 0.0627
CMYK	0.00, 0.59, 0.06, 0.00
HSL	306°, 100%, 71%
HSV	306°, 59%, 100%
XYZ	61.8716, 37.5951, 85.6570
YIQ	165.1260, 46.3860, 73.4740

Conversions

Conversions Part 2

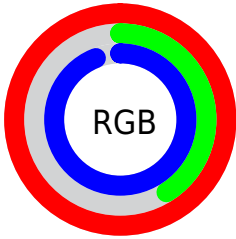
Format	Color
R _Y B	255, 105, 239
Decimal	16738799
CIE Lab	67.72, 72.47, -40.28
CIE LCh	68, 82.908, 330.932
Yxy	37.5951, 0.3342, 0.2031
Android (android.graphics.Color)	4294928879 (0xFFFF69EF)
YUV	165.1260, 36.4199, 78.8195
Hunter-Lab	61.3149, 72.8196, -39.9078

Details

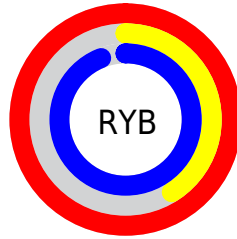
The RYB color **255, 105, 239** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **105, 241, 255**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 163, 255**, and **195, 41, 183** is the 20% darker color. If you saturate the color by 10%, you get **255, 80, 236**, and if you desaturate by 10%, it is **255, 131, 242**.

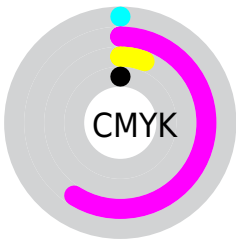
Distribution



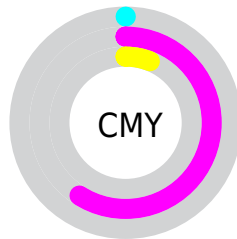
- Red (100%)
- Green (41%)
- Blue (94%)



- Red (100%)
- Yellow (41%)
- Blue (94%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 105, 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 255, 105, 239 by changing the saturation by 10% instead.

 255, 105, 239

 255, 105, 239

255, 255, 255

 225, 75, 210

 255, 163, 255

 195, 41, 183

 255, 192, 255


 166, 0, 155

 255, 222, 255

 137, 0, 129

 255, 252, 255

 109, 0, 103

 81, 0, 79


 55, 0, 55

 23, 0, 33


 0, 0, 5

 255, 105, 239


 255, 105, 239

 255, 80, 236

 255, 131, 242

 255, 54, 234

 255, 156, 244

 255, 28, 231

 255, 181, 247

 255, 3, 228

 255, 207, 250

 255, 0, 228

 255, 233, 253

255, 255, 255

Harmonies

Analogous

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



162, 144, 255



255, 105, 239



255, 79, 166

Triad

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



255, 105, 239



40, 196, 0



0, 108, 240

Complementary

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



255, 105, 239



105, 241, 255

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, 108, 198



255, 105, 239



0, 182, 61

Square

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



255, 105, 239



254, 248, 13



0, 133, 193



0, 109, 255

Rectangle

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



255, 105, 239



255, 86, 116



0, 133, 193



0, 104, 217

Sweetspot

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



255, 105, 239



255, 209, 250



120, 105, 255



128, 99, 125



0, 0, 0



128, 128, 128

Same Dimension

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



255, 105, 239



255, 74, 236



255, 105, 165



128, 115, 126



191, 0, 171



64, 0, 57

Inverse Universe

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



255, 105, 239



255, 74, 236



105, 199, 255



128, 115, 126



191, 0, 171



64, 0, 57

Previews

White Background



This preview shows how the RYB color 255, 105, 239 looks on a white background.

Color Contrast Check

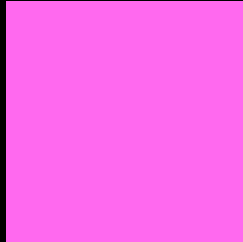
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 255, 105, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

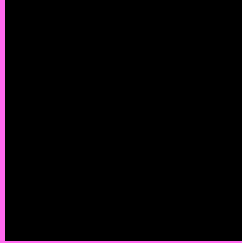
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RGB 255, 105, 239 Background



This preview shows how black text looks on a background with the RGB color 255, 105, 239.



This preview shows how white text looks on a background with the RGB color 255, 105, 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
255, 105, 239

Protanopia
130, 155, 255

Deuteranopia
144, 160, 229



Tritanopia
244, 131, 141

Trichromacy



Original Color

255, 105, 239



Protanomaly

175, 141, 249



Deuteranomaly

184, 142, 233



Tritanomaly

248, 122, 177

Monochromacy



Original Color

255, 105, 239



Achromatopsia

165, 165, 165



Achromatomaly

198, 143, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 105, 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(255, 105, 239) looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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(255, 105, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 239) }
```

Border

The CSS property to change the border of an element to RYB 255, 105, 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(255, 105, 239) }
```

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

```
.border{ border-color:rgb(255, 105, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
239) }
```

Background

The CSS property to change the background color of an element to RYB 255, 105, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 239) }
```

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

```
.background{ background-color: rgb(255,  
105, 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](#).

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