

Converting Colors

`RYB(255, 119, 231)`

Have a look what the booklet for
RYB(255, 119, 231) contains.

RYB(255, 119, 231)	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(255, 119, 231)`

Conversions

Conversions Part 1

Format	Color
Hex	FF77E7
RGB	255, 119, 231
RGB Percent	100%, 47%, 91%
CMY	0.0000, 0.5333, 0.0941
CMYK	0.00, 0.53, 0.09, 0.00
HSL	311°, 100%, 73%
HSV	311°, 53%, 100%
XYZ	62.2606, 40.2232, 80.0837
YIQ	172.4320, 45.1040, 63.6640

Conversions

Conversions Part 2

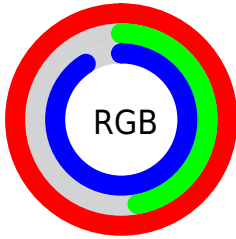
Format	Color
R _Y B	255, 119, 231
Decimal	16742375
CIE _{Lab}	69.63, 65.15, -32.90
CIE _{LCh}	70, 72.987, 333.208
Yxy	40.2232, 0.3410, 0.2203
Android (android.graphics.Color)	4294932455 (0xFFFF77E7)
YUV	172.4320, 28.8740, 72.4121
Hunter-Lab	63.4217, 64.2440, -30.4712

Details

The RYB color **255, 119, 231** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **119, 235, 255**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **255, 176, 255**, and **196, 61, 175** is the 20% darker color. If you saturate the color by 10%, you get **255, 94, 226**, and if you desaturate by 10%, it is **255, 145, 235**.

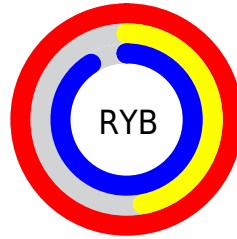
Distribution



Red (100%)

Green (47%)

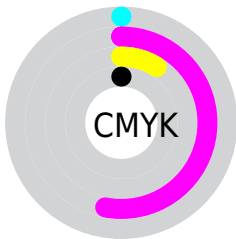
Blue (91%)



Red (100%)

Yellow (47%)

Blue (91%)

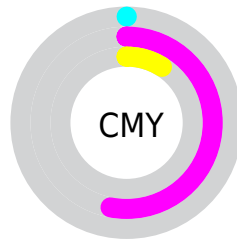


Cyan (0%)

Magenta (53%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 119, 231 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, 119, 231 by changing the saturation by 10% instead.

 255, 119, 231

255, 255, 255

 255, 176, 255

 255, 205, 255

 255, 234, 255

 255, 119, 231

 225, 91, 203

 196, 61, 175

 167, 26, 148

 138, 0, 122

 110, 0, 97

 83, 0, 73

 58, 0, 50

 27, 0, 28

 0, 0, 0

■ 255, 119, 231

■ 255, 119, 231

■ 255, 94, 226

■ 255, 145, 235

■ 255, 68, 222

■ 255, 170, 240

■ 255, 42, 217

■ 255, 195, 244

■ 255, 17, 213

■ 255, 221, 249

■ 255, 0, 210

■ 255, 247, 254

255, 255, 255

Harmonies

Analogous

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



179, 149, 255



255, 119, 231



255, 103, 166

Triad

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



255, 119, 231



31, 196, 0



0, 109, 241

Complementary

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



255, 119, 231



119, 235, 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, 107, 201



255, 119, 231



45, 187, 104

Square

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



255, 119, 231



249, 237, 45



0, 128, 197



0, 110, 255

Rectangle

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



255, 119, 231



255, 109, 122



0, 128, 197



0, 105, 220

Sweetspot

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



255, 119, 231



255, 214, 248



142, 119, 255



128, 103, 123



0, 0, 0



128, 128, 128

Same Dimension

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



255, 119, 231



255, 92, 226



255, 119, 164



128, 115, 125



191, 0, 157



64, 0, 52

Inverse Universe

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



255, 119, 231



255, 92, 226



119, 200, 255



128, 115, 125



191, 0, 158



64, 0, 53

Previews

White Background



This preview shows how the RYB color 255, 119, 231 looks on a white background.

Color Contrast Check

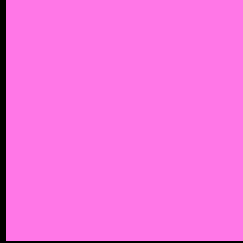
Large Text (above 18pt) WCAG AA × Fail

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, 119, 231 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](#).

RYB 255, 119, 231 Background



This preview shows how black text looks on a background with the RYB color 255, 119, 231.



This preview shows how white text looks on a background with the RYB color 255, 119, 231.

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, 119, 231

Protanopia
140, 163, 255

Deuteranopia
159, 167, 223



Tritanopia
246, 139, 149

Trichromacy



Original Color
255, 119, 231



Protanomaly
182, 150, 246



Deuteranomaly
194, 150, 226



Tritanomaly
249, 132, 179

Monochromacy



Original Color
255, 119, 231



Achromatopsia
172, 172, 172



Achromatomaly
202, 153, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 119, 231 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, 119, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 231)  
}
```

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, 119, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 231) }
```

Border

The CSS property to change the border of an element to RYB 255, 119, 231 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, 119, 231) }
```

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

```
.border{ border-color:rgb(255, 119, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 255, 119, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 231) }
```

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

```
.background{ background-color: rgb(255,  
119, 231) }
```

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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