

Converting Colors

`RYB(255, 106, 215)`

Have a look what the booklet for
RYB(255, 106, 215) contains.

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Color

`RYB(255, 106, 215)`

Conversions

Conversions Part 1

Format	Color
Hex	FF6AD7
RGB	255, 106, 215
RGB Percent	100%, 42%, 84%
CMY	0.0000, 0.5843, 0.1569
CMYK	0.00, 0.58, 0.16, 0.00
HSL	316°, 100%, 71%
HSV	316°, 58%, 100%
XYZ	58.6598, 36.4744, 68.2385
YIQ	162.9770, 53.8150, 65.4870

Conversions

Conversions Part 2

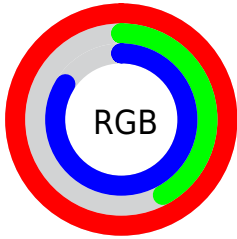
Format	Color
RYB	255, 106, 215
Decimal	16739031
CIELab	66.88, 68.46, -28.26
CIELCh	67, 74.058, 337.571
Yxy	36.4744, 0.3591, 0.2233
Android (android.graphics.Color)	4294929111 (0xFFFF6AD7)
YUV	162.9770, 25.6473, 80.7042
Hunter-Lab	60.3940, 67.6848, -24.7153

Details

The RYB color **255, 106, 215** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **106, 223, 255**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **255, 164, 255**, and **195, 44, 160** is the 20% darker color. If you saturate the color by 10%, you get **255, 81, 208**, and if you desaturate by 10%, it is **255, 132, 222**.

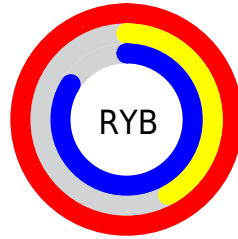
Distribution



Red (100%)

Green (42%)

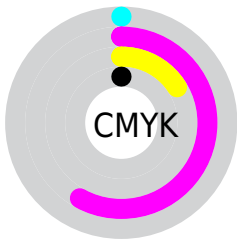
Blue (84%)



Red (100%)

Yellow (42%)

Blue (84%)

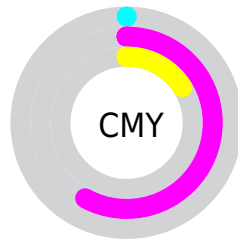


Cyan (0%)

Magenta (58%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 106, 215 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, 106, 215 by changing the saturation by 10% instead.

 255, 106, 215

 255, 106, 215

255, 255, 255

 225, 76, 187

 255, 164, 255

 195, 44, 160

 255, 193, 255


 166, 0, 134

 255, 222, 255


 137, 0, 108

 255, 252, 255

 109, 0, 83

 81, 0, 60

 55, 0, 38

 21, 0, 14

 0, 0, 0

■ 255, 106, 215

■ 255, 106, 215

■ 255, 81, 208

■ 255, 132, 222

■ 255, 55, 201

■ 255, 157, 229

■ 255, 30, 194

■ 255, 183, 236

■ 255, 4, 188

■ 255, 208, 242

■ 255, 0, 187

■ 255, 234, 249

255, 255, 255

Harmonies

Analogous

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



186, 137, 255



255, 106, 215



255, 93, 149

Triad

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



255, 106, 215



15, 179, 0



0, 107, 243

Complementary

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



255, 106, 215



106, 223, 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, 100, 193



255, 106, 215



43, 181, 117

Square

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



255, 106, 215



191, 234, 24



0, 121, 190



0, 107, 255

Rectangle

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



255, 106, 215



255, 102, 105



0, 121, 190



0, 103, 223

Sweetspot

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



255, 106, 215



255, 209, 243



146, 106, 255



128, 99, 120



0, 0, 0



128, 128, 128

Same Dimension

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



255, 106, 215



255, 77, 207



255, 106, 141



128, 115, 124



191, 0, 140



64, 0, 47

Inverse Universe

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



255, 106, 215



255, 77, 207



106, 190, 255



128, 115, 124



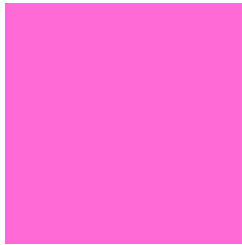
191, 0, 140



64, 0, 47

Previews

White Background



This preview shows how the RYB color 255, 106, 215 looks on a white background.

Color Contrast Check

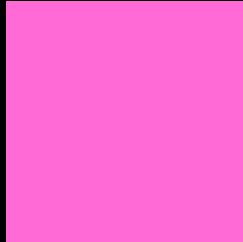
Large Text (above 18pt) WCAG AA × Fail

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, 106, 215 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, 106, 215 Background



This preview shows how black text looks on a background with the RYB color 255, 106, 215.



This preview shows how white text looks on a background with the RYB color 255, 106, 215.

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, 106, 215

Protanopia
128, 154, 255

Deuteranopia
156, 160, 206



Tritanopia
247, 126, 135

Trichromacy



Original Color

255, 106, 215



Protanomaly

174, 140, 240



Deuteranomaly

192, 140, 209



Tritanomaly

250, 119, 164

Monochromacy



Original Color

255, 106, 215



Achromatopsia

163, 163, 163



Achromatomaly

196, 142, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 106, 215 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, 106, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 215)  
}
```

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, 106, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 215) }
```

Border

The CSS property to change the border of an element to RYB 255, 106, 215 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, 106, 215) }
```

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

```
.border{ border-color:rgb(255, 106, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
215) }
```

Background

The CSS property to change the background color of an element to RGB 255, 106, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 215) }
```

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

```
.background{ background-color: rgb(255,  
106, 215) }
```

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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