

Converting Colors

`RYB(255, 106, 236)`

Have a look what the booklet for
RYB(255, 106, 236) contains.

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Color

R_YB(255, 106, 236)

Conversions

Conversions Part 1

Format	Color
Hex	FF6AEC
RGB	255, 106, 236
RGB Percent	100%, 42%, 93%
CMY	0.0000, 0.5843, 0.0745
CMYK	0.00, 0.58, 0.07, 0.00
HSL	308°, 100%, 71%
HSV	308°, 58%, 100%
XYZ	61.5344, 37.6242, 83.3759
YIQ	165.3710, 47.0740, 72.0180

Conversions

Conversions Part 2

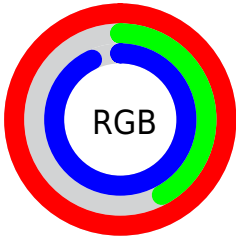
Format	Color
R _{YB}	255, 106, 236
Decimal	16739052
CIE _{Lab}	67.74, 71.58, -38.59
CIE _{LCh}	68, 81.323, 331.671
Y _{xy}	37.6242, 0.3371, 0.2061
Android (android.graphics.Color)	4294929132 (0xFFFF6AEC)
YUV	165.3710, 34.8201, 78.6046
Hunter-Lab	61.3386, 71.7273, -37.6543

Details

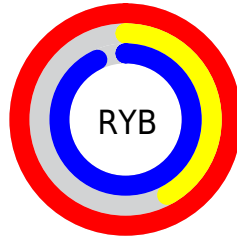
The RYB color **255, 106, 236** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **106, 238, 255**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 164, 255**, and **195, 43, 180** is the 20% darker color. If you saturate the color by 10%, you get **255, 81, 233**, and if you desaturate by 10%, it is **255, 132, 239**.

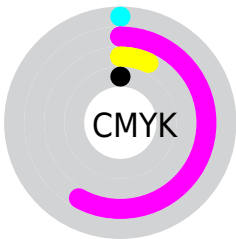
Distribution



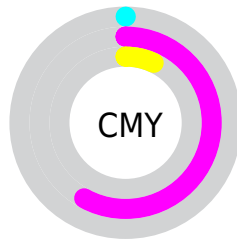
- Red (100%)
- Green (42%)
- Blue (93%)



- Red (100%)
- Yellow (42%)
- Blue (93%)



- Cyan (0%)
- Magenta (58%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 106, 236 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, 236 by changing the saturation by 10% instead.

 255, 106, 236

 255, 106, 236

255, 255, 255

 225, 76, 208

 255, 164, 255

 195, 43, 180

 255, 193, 255

 166, 0, 153

 255, 223, 255

 137, 0, 126

 255, 253, 255

 109, 0, 101

 81, 0, 76

 55, 0, 53

 23, 0, 31

 0, 0, 1

■ 255, 106, 236

■ 255, 106, 236

■ 255, 81, 233

■ 255, 132, 239

■ 255, 55, 229

■ 255, 157, 243

■ 255, 30, 226

■ 255, 183, 246

■ 255, 4, 223

■ 255, 208, 249

■ 255, 0, 222

■ 255, 234, 252

255, 255, 255

Harmonies

Analogous

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



166, 143, 255



255, 106, 236



255, 82, 164

Triad

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



255, 106, 236



37, 194, 0



0, 108, 241

Complementary

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



255, 106, 236



106, 238, 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, 198



255, 106, 236



0, 183, 63

Square

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



255, 106, 236



251, 251, 17



0, 131, 193



0, 109, 255

Rectangle

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



255, 106, 236



255, 90, 116



0, 131, 193



0, 104, 217

Sweetspot

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



255, 106, 236



255, 209, 249



123, 106, 255



128, 99, 124



0, 0, 0



128, 128, 128

Same Dimension

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



255, 106, 236



255, 77, 232



255, 106, 163



128, 115, 126



191, 0, 167



64, 0, 56

Inverse Universe

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



255, 106, 236



255, 77, 232



106, 198, 255



128, 115, 126



191, 0, 167



64, 0, 56

Previews

White Background



This preview shows how the RYB color 255, 106, 236 looks on a white background.

Color Contrast Check

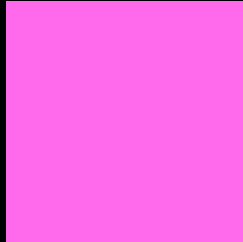
Large Text (above 18pt) WCAG AA × Fail

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, 236 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, 106, 236 Background



This preview shows how black text looks on a background with the RGB color 255, 106, 236.



This preview shows how white text looks on a background with the RGB color 255, 106, 236.

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, 236

Protanopia
131, 156, 255

Deuteranopia
146, 160, 227



Tritanopia
244, 131, 140

Trichromacy



Original Color

255, 106, 236



Protanomaly

176, 142, 248



Deuteranomaly

186, 142, 230



Tritanomaly

248, 122, 175

Monochromacy



Original Color

255, 106, 236



Achromatopsia

165, 165, 165



Achromatomaly

198, 144, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 106, 236 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 236) }
```

Border

The CSS property to change the border of an element to RYB 255, 106, 236 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, 236) }
```

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

```
.border{ border-color:rgb(255, 106, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 255, 106, 236 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
106, 236) }
```

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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