

Converting Colors

`RYB(255, 116, 175)`

Have a look what the booklet for
RYB(255, 116, 175) contains.

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Color

`RYB(255, 116, 175)`

Conversions

Conversions Part 1

Format	Color
Hex	FF74AF
RGB	255, 116, 175
RGB Percent	100%, 45%, 69%
CMY	0.0000, 0.5451, 0.3137
CMYK	0.00, 0.55, 0.31, 0.00
HSL	335°, 100%, 73%
HSV	335°, 55%, 100%
XYZ	55.2233, 36.8459, 44.7588
YIQ	164.2870, 63.9050, 47.8170

Conversions

Conversions Part 2

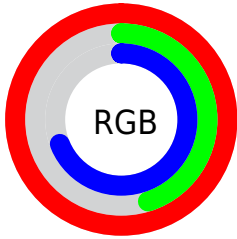
Format	Color
R _Y B	255, 116, 175
Decimal	16741551
CIE Lab	67.16, 58.77, -5.33
CIE LCh	67, 59.007, 354.820
Yxy	36.8459, 0.4036, 0.2693
Android (android.graphics.Color)	4294931631 (0xFFFF74AF)
YUV	164.2870, 5.2815, 79.5553
Hunter-Lab	60.7008, 56.1658, -1.2279

Details

The RYB color **255, 116, 175** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **116, 204, 255**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 172, 230**, and **195, 59, 123** is the 20% darker color. If you saturate the color by 10%, you get **255, 90, 160**, and if you desaturate by 10%, it is **255, 142, 190**.

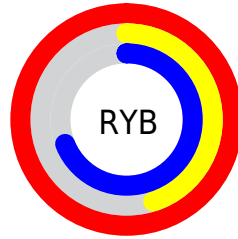
Distribution



Red (100%)

Green (45%)

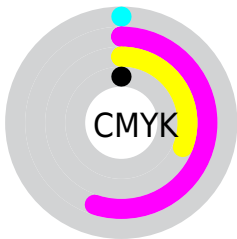
Blue (69%)



Red (100%)

Yellow (45%)

Blue (69%)

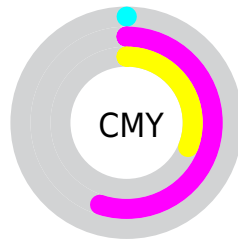


Cyan (0%)

Magenta (55%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 116, 175 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, 116, 175 by changing the saturation by 10% instead.


 255, 116, 175

 255, 116, 175

255, 255, 255

 225, 88, 148

 255, 172, 230

 195, 59, 123

 255, 201, 255

 165, 25, 98

 255, 230, 255

 136, 0, 74

 108, 0, 52

 80, 0, 31


 55, 0, 3

 9, 0, 0


 0, 0, 0

 255, 116, 175


 255, 116, 175

 255, 90, 160


 255, 142, 190

 255, 65, 146

 255, 167, 204

 255, 39, 131

 255, 193, 219

 255, 14, 116

 255, 218, 234

 255, 0, 108

 255, 243, 248

255, 255, 255

Harmonies

Analogous

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



220, 131, 225



255, 116, 175



255, 119, 122

Triad

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



255, 116, 175



60, 174, 85



0, 106, 249

Complementary

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



255, 116, 175



116, 204, 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, 99, 207



255, 116, 175



80, 168, 184

Square

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



255, 116, 175



108, 200, 50



0, 105, 189



0, 103, 255

Rectangle

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



255, 116, 175



248, 143, 91



0, 105, 189



0, 104, 237

Sweetspot

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



255, 116, 175



255, 214, 232



195, 116, 255



128, 103, 114



0, 0, 0



128, 128, 128

Same Dimension

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



255, 116, 175



255, 89, 160



255, 126, 116



128, 115, 120



191, 0, 81



64, 0, 27

Inverse Universe

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



255, 116, 175



255, 89, 160



116, 183, 255



128, 115, 120



191, 0, 81



64, 0, 27

Previews

White Background



This preview shows how the RYB color 255, 116, 175 looks on a white background.

Color Contrast Check

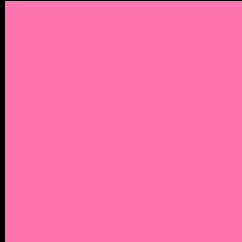
Large Text (above 18pt) WCAG AA × Fail

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, 116, 175 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, 116, 175 Background



This preview shows how black text looks on a background with the RYB color 255, 116, 175.



This preview shows how white text looks on a background with the RYB color 255, 116, 175.

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, 116, 175

Protanopia
154, 161, 205

Deuteranopia
178, 159, 168



Tritanopia
251, 124, 133

Trichromacy



Original Color

255, 116, 175



Protanomaly

191, 145, 194



Deuteranomaly

206, 143, 171



Tritanomaly

252, 121, 148

Monochromacy



Original Color

255, 116, 175



Achromatopsia

164, 164, 164



Achromatomaly

197, 147, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 116, 175 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, 116, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 175)  
}
```

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, 116, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 175) }
```

Border

The CSS property to change the border of an element to RYB 255, 116, 175 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, 116, 175) }
```

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

```
.border{ border-color:rgb(255, 116, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 255, 116, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 175) }
```

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

```
.background{ background-color: rgb(255,  
116, 175) }
```

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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