

Converting Colors

`RYB(255, 109, 171)`

Have a look what the booklet for
RYB(255, 109, 171) contains.

RYB(255, 109, 171)	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, 109, 171)`

Conversions

Conversions Part 1

Format	Color
Hex	FF6DAB
RGB	255, 109, 171
RGB Percent	100%, 43%, 67%
CMY	0.0000, 0.5725, 0.3294
CMYK	0.00, 0.57, 0.33, 0.00
HSL	335°, 100%, 71%
HSV	335°, 57%, 100%
XYZ	54.0593, 35.1376, 42.4611
YIQ	159.7220, 67.1140, 50.2340

Conversions

Conversions Part 2

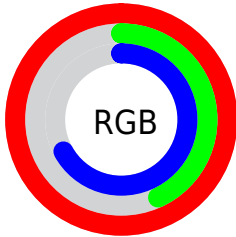
Format	Color
R _Y B	255, 109, 171
Decimal	16739755
CIE Lab	65.86, 61.44, -4.99
CIE LCh	66, 61.644, 355.358
Yxy	35.1376, 0.4106, 0.2669
Android (android.graphics.Color)	4294929835 (0xFFFF6DAB)
YUV	159.7220, 5.5601, 83.5588
Hunter-Lab	59.2769, 59.0536, -0.9766

Details

The RYB color **255, 109, 171** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **109, 202, 255**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 166, 226**, and **194, 50, 119** is the 20% darker color. If you saturate the color by 10%, you get **255, 84, 156**, and if you desaturate by 10%, it is **255, 135, 186**.

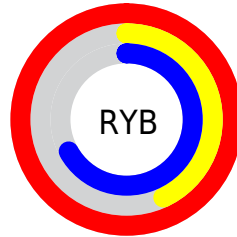
Distribution



Red (100%)

Green (43%)

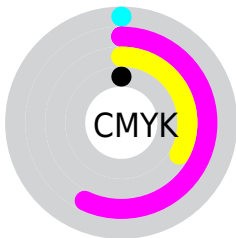
Blue (67%)



Red (100%)

Yellow (43%)

Blue (67%)

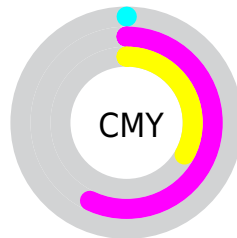


Cyan (0%)

Magenta (57%)

Yellow (33%)

Black (0%)



Cyan (0%)

















Magenta (57%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 109, 171 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, 109, 171 by changing the saturation by 10% instead.

 255, 109, 171	 255, 109, 171
 255, 255, 255	 225, 80, 145
 255, 166, 226	 194, 50, 119
 255, 194, 255	 165, 6, 94
 255, 224, 255	 136, 0, 71
 255, 253, 255	 107, 0, 48
	 79, 0, 28
	 53, 0, 2
	 1, 0, 0
	 0, 0, 0

■ 255, 109, 171

■ 255, 109, 171

■ 255, 84, 156

■ 255, 135, 186

■ 255, 58, 142

■ 255, 160, 200

■ 255, 33, 127

■ 255, 186, 215

■ 255, 7, 112

■ 255, 211, 230

■ 255, 0, 108

■ 255, 237, 244

255, 255, 255

Harmonies

Analogous

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



219, 125, 224



255, 109, 171



255, 113, 116

Triad

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



255, 109, 171



51, 171, 79



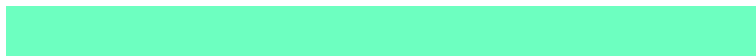
0, 105, 250

Complementary

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



255, 109, 171



109, 202, 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, 98, 206



255, 109, 171



68, 160, 181

Square

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



255, 109, 171



96, 196, 39



0, 103, 186



0, 102, 255

Rectangle

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



255, 109, 171



247, 139, 83



0, 103, 186



0, 104, 238

Sweetspot

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



255, 109, 171



255, 212, 230



192, 109, 255



128, 102, 113



0, 0, 0



128, 128, 128

Same Dimension

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



255, 109, 171



255, 79, 154



255, 120, 109



128, 115, 120



191, 0, 81



64, 0, 27

Inverse Universe

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



255, 109, 171



255, 79, 154



109, 179, 255



128, 115, 120



191, 0, 81



64, 0, 27

Previews

White Background



This preview shows how the RYB color 255, 109, 171 looks on a white background.

Color Contrast Check

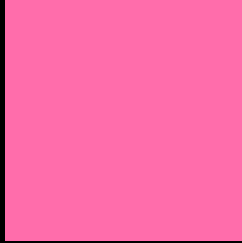
Large Text (above 18pt) WCAG AA × Fail

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, 109, 171 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, 109, 171 Background



This preview shows how black text looks on a background with the RYB color 255, 109, 171.



This preview shows how white text looks on a background with the RYB color 255, 109, 171.

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, 109, 171

Protanopia
149, 157, 203

Deuteranopia
174, 155, 164



Tritanopia
251, 118, 126

Trichromacy



Original Color

255, 109, 171



Protanomaly

188, 141, 191



Deuteranomaly

203, 138, 167



Tritanomaly

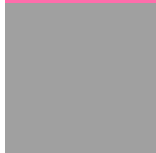
252, 115, 142

Monochromacy



Original Color

255, 109, 171



Achromatopsia

160, 160, 160



Achromatomaly

195, 141, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 109, 171 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, 109, 171) looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 171)  
}
```

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, 109, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 171) }
```

Border

The CSS property to change the border of an element to RYB 255, 109, 171 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, 109, 171) }
```

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

```
.border{ border-color:rgb(255, 109, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 109, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 255, 109, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 171) }
```

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

```
.background{ background-color: rgb(255,  
109, 171) }
```

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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