

Converting Colors

`RYB(255, 135, 213)`

Have a look what the booklet for
RYB(255, 135, 213) contains.

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Color

`RYB(255, 135, 213)`

Conversions

Conversions Part 1

Format	Color
Hex	FF87D5
RGB	255, 135, 213
RGB Percent	100%, 53%, 84%
CMY	0.0000, 0.4706, 0.1647
CMYK	0.00, 0.47, 0.16, 0.00
HSL	321°, 100%, 76%
HSV	321°, 47%, 100%
XYZ	61.9142, 43.3920, 68.0631
YIQ	179.7720, 46.4820, 49.6980

Conversions

Conversions Part 2

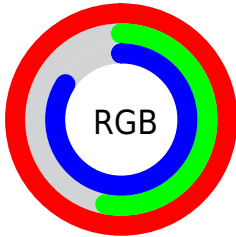
Format	Color
R _Y B	255, 135, 213
Decimal	16746453
CIE Lab	71.82, 54.90, -19.59
CIE LCh	72, 58.288, 340.358
Yxy	43.3920, 0.3571, 0.2503
Android (android.graphics.Color)	4294936533 (0xFFFF87D5)
YUV	179.7720, 16.3814, 65.9750
Hunter-Lab	65.8726, 52.4965, -15.1507

Details

The RYB color **255, 135, 213** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **135, 224, 255**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **255, 191, 255**, and **196, 80, 158** is the 20% darker color. If you saturate the color by 10%, you get **255, 110, 204**, and if you desaturate by 10%, it is **255, 161, 222**.

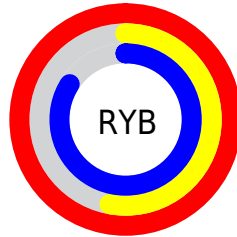
Distribution



Red (100%)

Green (53%)

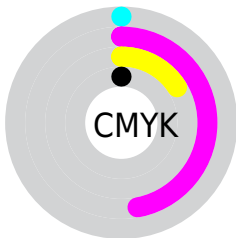
Blue (84%)



Red (100%)

Yellow (53%)

Blue (84%)

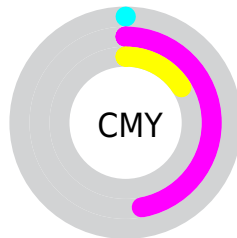


Cyan (0%)

Magenta (47%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 135, 213 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, 135, 213 by changing the saturation by 10% instead.

 255, 135, 213

 255, 135, 213

255, 255, 255

 225, 108, 185


 255, 191, 255

 196, 80, 158

 255, 220, 255

 167, 52, 132

 255, 249, 255

 139, 19, 107

 111, 0, 82

 84, 0, 59

 60, 0, 37

 31, 0, 14

 0, 0, 0

■ 255, 135, 213

■ 255, 135, 213

■ 255, 110, 204

■ 255, 161, 222

■ 255, 84, 195

■ 255, 186, 231

■ 255, 58, 186

■ 255, 212, 240

■ 255, 33, 177

■ 255, 237, 249

■ 255, 8, 168

255, 255, 255

■ 255, 0, 166

Harmonies

Analogous

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



204, 154, 255



255, 135, 213



255, 129, 160

Triad

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



255, 135, 213



75, 188, 65



0, 110, 244

Complementary

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



255, 135, 213



135, 224, 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, 103, 202



255, 135, 213



91, 192, 152

Square

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



255, 135, 213



211, 235, 74



30, 134, 200



0, 109, 255

Rectangle

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



255, 135, 213



255, 136, 125



30, 134, 200



0, 107, 228

Sweetspot

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



255, 135, 213



255, 219, 243



177, 135, 255



128, 106, 120



0, 0, 0



128, 128, 128

Same Dimension

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



255, 135, 213



255, 112, 205



255, 135, 153



128, 115, 123



191, 0, 124



64, 0, 41

Inverse Universe

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



255, 135, 213



255, 112, 205



135, 200, 255



128, 115, 123



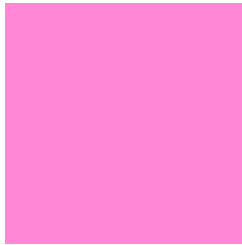
191, 0, 124



64, 0, 41

Previews

White Background



This preview shows how the RYB color 255, 135, 213 looks on a white background.

Color Contrast Check

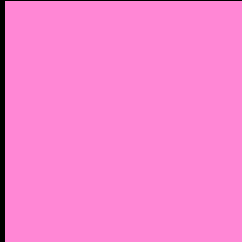
Large Text (above 18pt) WCAG AA × Fail

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, 135, 213 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](#).

R Y B 255, 135, 213 Background



This preview shows how black text looks on a background with the R Y B color 255, 135, 213.



This preview shows how white text looks on a background with the R Y B color 255, 135, 213.

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





Tritanopia
249, 147, 157

Trichromacy



Original Color

255, 135, 213



Protanomaly

193, 160, 231



Deuteranomaly

207, 159, 209



Tritanomaly

251, 143, 177

Monochromacy



Original Color

255, 135, 213



Achromatopsia

180, 180, 180



Achromatomaly

207, 164, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 135, 213 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, 135, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 213)  
}
```

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, 135, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 213) }
```

Border

The CSS property to change the border of an element to RYB 255, 135, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

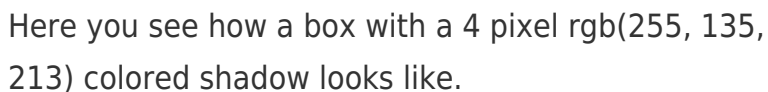
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 135, 213) }
```

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

```
.border{ border-color:rgb(255, 135, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 135, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 135, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 135, 213); box-shadow:4px 4px 4px 4px rgb(255, 135, 213) }
```

Background

The CSS property to change the background color of an element to RYB 255, 135, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 213) }
```

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

```
.background{ background-color: rgb(255,  
135, 213) }
```

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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