

Converting Colors

`RYB(255, 85, 192)`

Have a look what the booklet for
RYB(255, 85, 192) contains.

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Color

R_YB(255, 85, 192)

Conversions

Conversions Part 1

Format	Color
Hex	FF55C0
RGB	255, 85, 192
RGB Percent	100%, 33%, 75%
CMY	0.0000, 0.6667, 0.2471
CMYK	0.00, 0.67, 0.25, 0.00
HSL	322°, 100%, 67%
HSV	322°, 67%, 100%
XYZ	54.0029, 31.5628, 53.1151
YIQ	148.0280, 66.9730, 69.3170

Conversions

Conversions Part 2

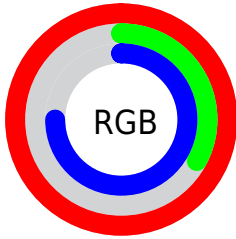
Format	Color
R_{YB}	255, 85, 192
Decimal	16733632
CIE _{Lab}	62.98, 73.69, -21.27
CIE _{LCh}	63, 76.701, 343.902
Yxy	31.5628, 0.3894, 0.2276
Android (android.graphics.Color)	4294923712 (0xFFFF55C0)
YUV	148.0280, 21.6782, 93.8144
Hunter-Lab	56.1808, 73.2642, -16.7282

Details

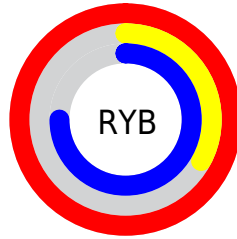
The RYB color **255, 85, 192** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **85, 209, 255**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **255, 145, 249**, and **194, 0, 138** is the 20% darker color. If you saturate the color by 10%, you get **255, 59, 183**, and if you desaturate by 10%, it is **255, 110, 201**.

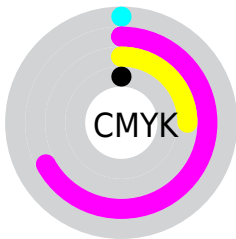
Distribution



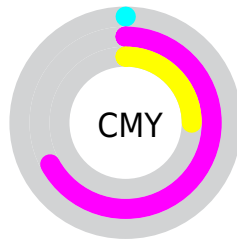
- Red (100%)
- Green (33%)
- Blue (75%)



- Red (100%)
- Yellow (33%)
- Blue (75%)



- Cyan (0%)
- Magenta (67%)
- Yellow (25%)
- Black (0%)



















- Cyan (0%)
- Magenta (67%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 85, 192 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, 85, 192 by changing the saturation by 10% instead.

 255, 85, 192	 255, 85, 192
 255, 255, 255	 224, 52, 165
 255, 145, 249	 194, 0, 138
 255, 174, 255	 164, 0, 113
 255, 204, 255	 135, 0, 88
 255, 234, 255	 106, 0, 65
	 78, 0, 42
	 50, 0, 21
	 1, 0, 0
	 0, 0, 0

■ 255, 85, 192

■ 255, 85, 192

■ 255, 59, 183

■ 255, 110, 201

■ 255, 34, 173

■ 255, 136, 211

■ 255, 8, 164

■ 255, 162, 220

■ 255, 0, 160

■ 255, 187, 230

■ 255, 212, 239

■ 255, 238, 249

255, 255, 255

Harmonies

Analogous

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



194, 118, 252



255, 85, 192



255, 77, 124

Triad

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



255, 85, 192



0, 159, 5



0, 104, 246

Complementary

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



255, 85, 192



85, 209, 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, 92, 183



255, 85, 192



41, 173, 143

Square

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



255, 85, 192



121, 213, 0



0, 112, 181



0, 102, 255

Rectangle

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



255, 85, 192



255, 94, 80



0, 112, 181



0, 101, 227

Sweetspot

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



255, 85, 192



255, 204, 236



147, 85, 255



128, 97, 116



0, 0, 0



128, 128, 128

Same Dimension

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



255, 85, 192



255, 51, 179



255, 85, 108



128, 115, 123



191, 0, 120



64, 0, 40

Inverse Universe

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



255, 85, 192



255, 51, 179



85, 176, 255



128, 115, 123



191, 0, 120



64, 0, 40

Previews

White Background



This preview shows how the RYB color 255, 85, 192 looks on a white background.

Color Contrast Check

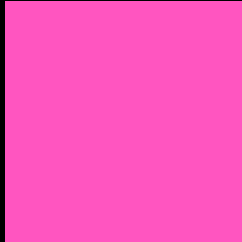
Large Text (above 18pt) WCAG AA × Fail

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, 85, 192 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, 85, 192 Background



This preview shows how black text looks on a background with the RYB color 255, 85, 192.



This preview shows how white text looks on a background with the RYB color 255, 85, 192.

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, 85, 192

Protanopia
119, 144, 241

Deuteranopia
153, 149, 183



Tritanopia
248, 106, 113

Trichromacy



Original Color

255, 85, 192



Protanomaly

168, 126, 223



Deuteranomaly

190, 126, 186



Tritanomaly

251, 98, 142

Monochromacy



Original Color

255, 85, 192



Achromatopsia

148, 148, 148



Achromatomaly

187, 125, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 85, 192 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, 85, 192) looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 192)  
}
```

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, 85, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 192) }
```

Border

The CSS property to change the border of an element to RYB 255, 85, 192 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, 85, 192) }
```

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

```
.border{ border-color:rgb(255, 85, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
192) }
```

Background

The CSS property to change the background color of an element to RGB 255, 85, 192 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 192) }
```

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

```
.background{ background-color: rgb(255, 85,  
192) }
```

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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