

Converting Colors

`RYB(255, 83, 216)`

Have a look what the booklet for
RYB(255, 83, 216) contains.

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Color

R_YB(255, 83, 216)

Conversions

Conversions Part 1

Format	Color
Hex	FF53D8
RGB	255, 83, 216
RGB Percent	100%, 33%, 85%
CMY	0.0000, 0.6745, 0.1529
CMYK	0.00, 0.67, 0.15, 0.00
HSL	314°, 100%, 66%
HSV	314°, 67%, 100%
XYZ	56.7279, 32.4044, 68.2305
YIQ	149.5900, 59.8190, 77.8270

Conversions

Conversions Part 2

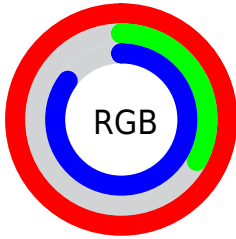
Format	Color
R_{YB}	255, 83, 216
Decimal	16733144
CIE _{Lab}	63.68, 77.55, -33.78
CIE _{LCh}	64, 84.581, 336.464
Yxy	32.4044, 0.3605, 0.2059
Android (android.graphics.Color)	4294923224 (0xFFFF53D8)
YUV	149.5900, 32.7401, 92.4446
Hunter-Lab	56.9248, 78.2640, -31.2180

Details

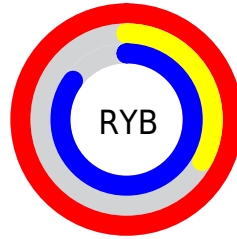
The RYB color **255, 83, 216** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **83, 223, 255**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **255, 144, 255**, and **194, 0, 161** is the 20% darker color. If you saturate the color by 10%, you get **255, 57, 210**, and if you desaturate by 10%, it is **255, 108, 222**.

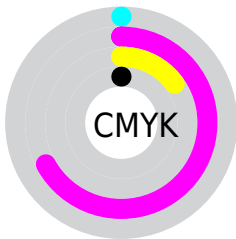
Distribution



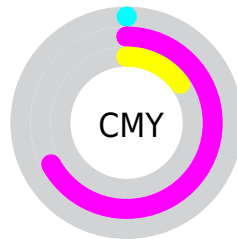
- Red (100%)
- Green (33%)
- Blue (85%)



- Red (100%)
- Yellow (33%)
- Blue (85%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)
- Black (0%)


















- Cyan (0%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 83, 216 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, 83, 216 by changing the saturation by 10% instead.

 255, 83, 216	 255, 83, 216
255, 255, 255	 224, 48, 188
 255, 144, 255	 194, 0, 161
 255, 173, 255	 165, 0, 134
 255, 203, 255	 136, 0, 109
 255, 233, 255	 107, 0, 84
	 79, 0, 60
	 51, 0, 38
	 12, 0, 14
	 0, 0, 0

■ 255, 83, 216

■ 255, 83, 216

■ 255, 57, 210

■ 255, 108, 222

■ 255, 32, 204

■ 255, 134, 228

■ 255, 7, 199

■ 255, 160, 233

■ 255, 0, 197

■ 255, 185, 239

■ 255, 211, 245

■ 255, 236, 251

255, 255, 255

Harmonies

Analogous

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



173, 126, 255



255, 83, 216



255, 59, 141

Triad

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



255, 83, 216



16, 171, 0



0, 105, 243

Complementary

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



255, 83, 216



83, 223, 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, 187



255, 83, 216



0, 174, 85

Square

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



255, 83, 216



192, 232, 0



0, 123, 183



0, 105, 255

Rectangle

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



255, 83, 216



255, 75, 92



0, 123, 183



0, 101, 220

Sweetspot

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



255, 83, 216



255, 204, 243



120, 83, 255



128, 97, 121



0, 0, 0



128, 128, 128

Same Dimension

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



255, 83, 216



255, 48, 208



255, 83, 132



128, 115, 125



191, 0, 148



64, 0, 49

Inverse Universe

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



255, 83, 216



255, 48, 208



83, 183, 255



128, 115, 125



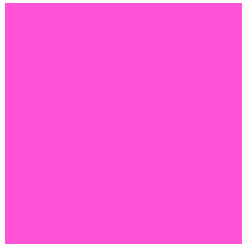
191, 0, 148



64, 0, 49

Previews

White Background



This preview shows how the RYB color 255, 83, 216 looks on a white background.

Color Contrast Check

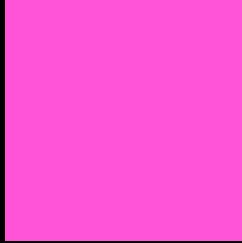
Large Text (above 18pt) WCAG AA × Fail

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, 83, 216 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, 83, 216 Background



This preview shows how black text looks on a background with the RYB color 255, 83, 216.

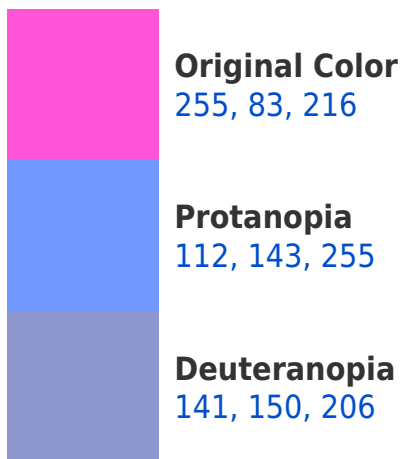



This preview shows how white text looks on a background with the RYB color 255, 83, 216.

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
246, 111, 119

Trichromacy



Original Color

255, 83, 216



Protanomaly

164, 126, 241



Deuteranomaly

182, 127, 210



Tritanomaly

249, 101, 154

Monochromacy



Original Color

255, 83, 216



Achromatopsia

150, 150, 150



Achromatomaly

188, 126, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 83, 216 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, 83, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 216)  
}
```

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, 83, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 216) }
```

Border

The CSS property to change the border of an element to RYB 255, 83, 216 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, 83, 216) }
```

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

```
.border{ border-color:rgb(255, 83, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 83, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 255, 83, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 216) }
```

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

```
.background{ background-color: rgb(255, 83,  
216) }
```

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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