

Converting Colors

`RYB(255, 83, 172)`

Have a look what the booklet for
RYB(255, 83, 172) contains.

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Color

`RYB(255, 83, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	FF53AC
RGB	255, 83, 172
RGB Percent	100%, 33%, 67%
CMY	0.0000, 0.6745, 0.3255
CMYK	0.00, 0.67, 0.33, 0.00
HSL	329°, 100%, 66%
HSV	329°, 67%, 100%
XYZ	51.7797, 30.4251, 42.1733
YIQ	144.5740, 73.9430, 64.1430

Conversions

Conversions Part 2

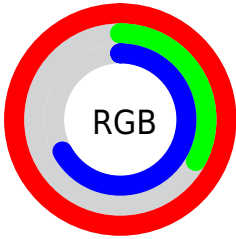
Format	Color
R_{YB}	255, 83, 172
Decimal	16733100
CIE _{Lab}	62.02, 72.07, -11.27
CIE _{LCh}	62, 72.947, 351.111
Yxy	30.4251, 0.4163, 0.2446
Android (android.graphics.Color)	4294923180 (0xFFFF53AC)
YUV	144.5740, 13.5210, 96.8436
Hunter-Lab	55.1589, 71.0362, -6.7205

Details

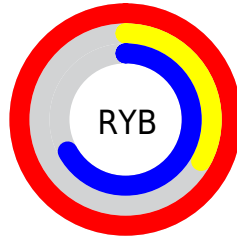
The RYB color **255, 83, 172** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **83, 199, 255**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **255, 143, 227**, and **194, 0, 120** is the 20% darker color. If you saturate the color by 10%, you get **255, 57, 160**, and if you desaturate by 10%, it is **255, 108, 184**.

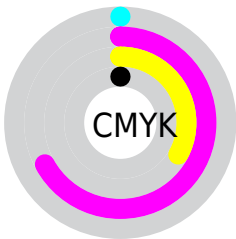
Distribution



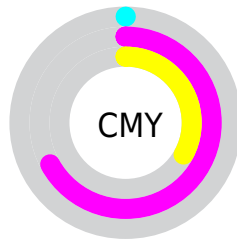
- Red (100%)
- Green (33%)
- Blue (67%)



- Red (100%)
- Yellow (33%)
- Blue (67%)



- Cyan (0%)
- Magenta (67%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 83, 172 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, 172 by changing the saturation by 10% instead.



255, 83, 172



255, 83, 172

255, 255, 255



224, 49, 145



255, 143, 227



194, 0, 120



255, 172, 255



164, 0, 95



255, 202, 255



134, 0, 71



255, 231, 255



105, 0, 49



77, 0, 28



48, 0, 2



0, 0, 0



255, 83, 172



255, 83, 172

■ 255, 57, 160

■ 255, 108, 184

■ 255, 32, 147

■ 255, 134, 197

■ 255, 7, 135

■ 255, 160, 209

■ 255, 0, 132

■ 255, 185, 221

■ 255, 211, 234

■ 255, 236, 246

255, 255, 255

Harmonies

Analogous

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



208, 110, 232



255, 83, 172



255, 85, 107

Triad

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



255, 83, 172



0, 160, 24



0, 103, 250

Complementary

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



255, 83, 172



83, 199, 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, 93, 195



255, 83, 172



42, 155, 172

Square

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



255, 83, 172



78, 196, 0



0, 104, 178



0, 99, 255

Rectangle

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



255, 83, 172



251, 110, 67



0, 104, 178



0, 101, 234

Sweetspot

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



255, 83, 172



255, 204, 230



163, 83, 255



128, 97, 113



0, 0, 0



128, 128, 128

Same Dimension

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



255, 83, 172



255, 48, 155



255, 83, 89



128, 115, 121



191, 0, 99



64, 0, 33

Inverse Universe

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



255, 83, 172



255, 48, 155



83, 171, 255



128, 115, 121



191, 0, 99



64, 0, 33

Previews

White Background



This preview shows how the RYB color 255, 83, 172 looks on a white background.

Color Contrast Check

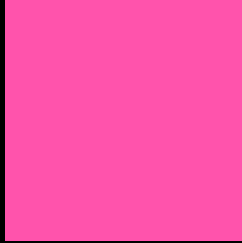
Large Text (above 18pt) WCAG AA × Fail

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, 172 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](#).

RGB 255, 83, 172 Background



This preview shows how black text looks on a background with the RGB color 255, 83, 172.



This preview shows how white text looks on a background with the RGB color 255, 83, 172.

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, 83, 172

Protanopia
128, 144, 217

Deuteranopia
159, 146, 163



Tritanopia
250, 99, 106

Trichromacy



Original Color

255, 83, 172



Protanomaly

174, 124, 201



Deuteranomaly

194, 123, 166



Tritanomaly

252, 93, 130

Monochromacy



Original Color

255, 83, 172



Achromatopsia

145, 145, 145



Achromatomaly

185, 122, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 83, 172 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 172) }
```

Border

The CSS property to change the border of an element to RYB 255, 83, 172 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, 172) }
```

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

```
.border{ border-color:rgb(255, 83, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 255, 83, 172 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, 172) }
```

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

```
.background{ background-color: rgb(255, 83,  
172) }
```

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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