

Converting Colors

`RYB(255, 100, 184)`

Have a look what the booklet for
RYB(255, 100, 184) contains.

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Color

`RYB(255, 100, 184)`

Conversions

Conversions Part 1

Format	Color
Hex	FF64B8
RGB	255, 100, 184
RGB Percent	100%, 39%, 72%
CMY	0.0000, 0.6078, 0.2784
CMYK	0.00, 0.61, 0.28, 0.00
HSL	327°, 100%, 70%
HSV	327°, 61%, 100%
XYZ	54.4489, 33.8350, 49.0084
YIQ	155.9210, 65.4160, 58.9840

Conversions

Conversions Part 2

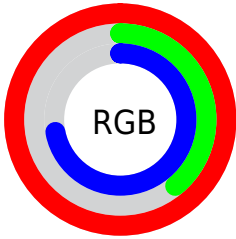
Format	Color
R _Y B	255, 100, 184
Decimal	16737464
CIE Lab	64.83, 66.85, -13.91
CIE LCh	65, 68.281, 348.246
Yxy	33.8350, 0.3966, 0.2464
Android (android.graphics.Color)	4294927544 (0xFFFF64B8)
YUV	155.9210, 13.8429, 86.8923
Hunter-Lab	58.1679, 65.2937, -9.2363

Details

The RYB color **255, 100, 184** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **100, 206, 255**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 158, 240**, and **194, 36, 131** is the 20% darker color. If you saturate the color by 10%, you get **255, 75, 172**, and if you desaturate by 10%, it is **255, 125, 196**.

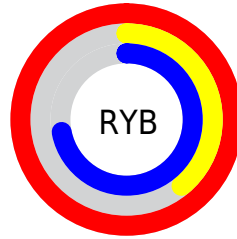
Distribution



Red (100%)

Green (39%)

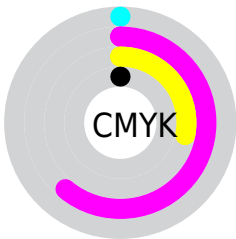
Blue (72%)



Red (100%)

Yellow (39%)

Blue (72%)

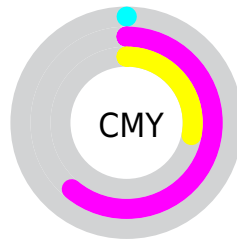


Cyan (0%)

Magenta (61%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 100, 184 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, 100, 184 by changing the saturation by 10% instead.

 255, 100, 184

255, 255, 255

 255, 158, 240

 255, 187, 255

 255, 216, 255

 255, 246, 255

 255, 100, 184

 225, 70, 157

 194, 36, 131

 165, 0, 106

 136, 0, 82

 107, 0, 58

 79, 0, 37

 52, 0, 14

 4, 0, 0

 0, 0, 0

■ 255, 100, 184

■ 255, 100, 184

■ 255, 75, 172

■ 255, 125, 196

■ 255, 49, 161

■ 255, 151, 207

■ 255, 24, 149

■ 255, 177, 219

■ 255, 0, 138

■ 255, 202, 231

■ 255, 227, 242

■ 255, 253, 254

■ 255, 255, 255

Harmonies

Analogous

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



207, 124, 239



255, 100, 184



255, 99, 123

Triad

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



255, 100, 184



16, 166, 30



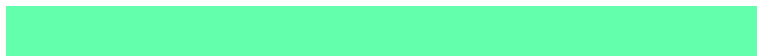
0, 105, 247

Complementary

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



255, 100, 184



100, 206, 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, 95, 194



255, 100, 184



70, 178, 172

Square

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



255, 100, 184



108, 207, 18



0, 108, 184



0, 102, 255

Rectangle

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



255, 100, 184



255, 117, 85



0, 108, 184



0, 103, 232

Sweetspot

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



255, 100, 184



255, 209, 234



170, 100, 255



128, 99, 115



0, 0, 0



128, 128, 128

Same Dimension

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



255, 100, 184



255, 69, 170



255, 100, 108



128, 115, 122



191, 0, 104



64, 0, 35

Inverse Universe

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



255, 100, 184



255, 69, 170



100, 180, 255



128, 115, 122



191, 0, 104



64, 0, 35

Previews

White Background



This preview shows how the RYB color 255, 100, 184 looks on a white background.

Color Contrast Check

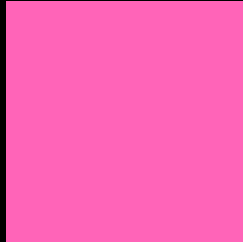
Large Text (above 18pt) WCAG AA × Fail

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, 100, 184 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, 100, 184 Background



This preview shows how black text looks on a background with the RYB color 255, 100, 184.



This preview shows how white text looks on a background with the RYB color 255, 100, 184.

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, 100, 184

Protanopia
137, 152, 223

Deuteranopia
164, 153, 176



Tritanopia
250, 114, 122

Trichromacy



Original Color

255, 100, 184



Protanomaly

180, 135, 209



Deuteranomaly

197, 134, 179



Tritanomaly

252, 109, 145

Monochromacy



Original Color

255, 100, 184



Achromatopsia

156, 156, 156



Achromatomaly

192, 136, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 100, 184 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, 100, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 184)  
}
```

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, 100, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 184) }
```

Border

The CSS property to change the border of an element to RYB 255, 100, 184 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, 100, 184) }
```

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

```
.border{ border-color:rgb(255, 100, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
184) }
```

Background

The CSS property to change the background color of an element to RGB 255, 100, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 184) }
```

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

```
.background{ background-color: rgb(255,  
100, 184) }
```

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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