

Converting Colors

`RYB(255, 128, 184)`

Have a look what the booklet for
RYB(255, 128, 184) contains.

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Color

`RYB(255, 128, 184)`

Conversions

Conversions Part 1

Format	Color
Hex	FF80B8
RGB	255, 128, 184
RGB Percent	100%, 50%, 72%
CMY	0.0000, 0.4980, 0.2784
CMYK	0.00, 0.50, 0.28, 0.00
HSL	334°, 100%, 75%
HSV	334°, 50%, 100%
XYZ	57.6109, 40.1590, 50.0624
YIQ	172.3570, 57.7160, 44.3400

Conversions

Conversions Part 2

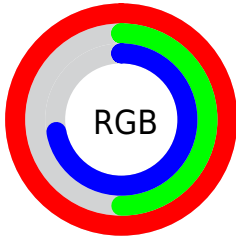
Format	Color
R_{YB}	255, 128, 184
Decimal	16744632
CIE _{Lab}	69.58, 54.26, -6.81
CIE _{LCh}	70, 54.683, 352.848
Yxy	40.1590, 0.3897, 0.2717
Android (android.graphics.Color)	4294934712 (0xFFFF80B8)
YUV	172.3570, 5.7400, 72.4779
Hunter-Lab	63.3712, 51.3753, -2.4786

Details

The RYB color **255, 128, 184** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **128, 209, 255**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **255, 184, 240**, and **195, 73, 131** is the 20% darker color. If you saturate the color by 10%, you get **255, 103, 170**, and if you desaturate by 10%, it is **255, 154, 198**.

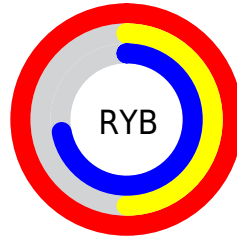
Distribution



Red (100%)

Green (50%)

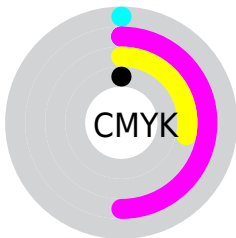
Blue (72%)



Red (100%)

Yellow (50%)

Blue (72%)

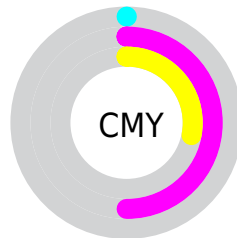


Cyan (0%)

Magenta (50%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (50%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 128, 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, 128, 184 by changing the saturation by 10% instead.

 255, 128, 184

255, 255, 255

 255, 184, 240

 255, 213, 255

 255, 242, 255

 255, 128, 184

 225, 101, 157

 195, 73, 131

 166, 44, 106

 138, 4, 82

 110, 0, 59

 82, 0, 37

 58, 0, 16

 21, 0, 0

 0, 0, 0

■ 255, 128, 184

■ 255, 128, 184

■ 255, 103, 170

■ 255, 154, 198

■ 255, 77, 155

■ 255, 179, 213

■ 255, 51, 141

■ 255, 205, 227

■ 255, 26, 127

■ 255, 230, 241

■ 255, 0, 113

255, 255, 255

■ 255, 0, 112

Harmonies

Analogous

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



220, 142, 230



255, 128, 184



255, 130, 134

Triad

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



255, 128, 184



74, 179, 92



0, 108, 248

Complementary

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



255, 128, 184



128, 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, 100, 207



255, 128, 184



101, 183, 189

Square

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



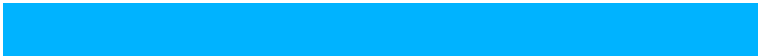
255, 128, 184



136, 209, 68



0, 108, 194



0, 105, 255

Rectangle

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



255, 128, 184



252, 149, 105



0, 108, 194



0, 106, 236

Sweetspot

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



255, 128, 184



255, 217, 234



198, 128, 255



128, 105, 115



0, 0, 0



128, 128, 128

Same Dimension

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



255, 128, 184



255, 102, 169



255, 134, 128



128, 115, 120



191, 0, 84



64, 0, 28

Inverse Universe

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



255, 128, 184



255, 102, 169



128, 190, 255



128, 115, 120



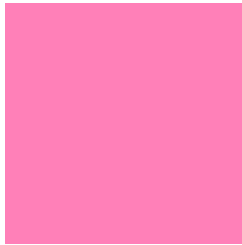
191, 0, 84



64, 0, 28

Previews

White Background



This preview shows how the RYB color 255, 128, 184 looks on a white background.

Color Contrast Check

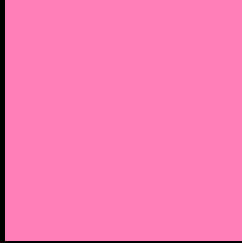
Large Text (above 18pt) WCAG AA × Fail

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, 128, 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](#).

RYP 255, 128, 184 Background



This preview shows how black text looks on a background with the RYP color 255, 128, 184.



This preview shows how white text looks on a background with the RYP color 255, 128, 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, 128, 184

Protanopia
161, 168, 210

Deuteranopia
183, 165, 178



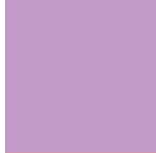
Tritanopia
251, 136, 145

Trichromacy



Original Color

255, 128, 184



Protanomaly

195, 154, 201



Deuteranomaly

209, 152, 180



Tritanomaly

252, 133, 159

Monochromacy



Original Color

255, 128, 184



Achromatopsia

172, 172, 172



Achromatomaly

202, 156, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 128, 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, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 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, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 184) }
```

Border

The CSS property to change the border of an element to RYB 255, 128, 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, 128, 184) }
```

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

```
.border{ border-color:rgb(255, 128, 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, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
184) }
```

Background

The CSS property to change the background color of an element to RYB 255, 128, 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, 128, 184) }
```

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

```
.background{ background-color: rgb(255,  
128, 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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