

Converting Colors

`RYB(255, 176, 237)`

Have a look what the booklet for
RYB(255, 176, 237) contains.

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Color

`RYB(255, 176, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	FFB0ED
RGB	255, 176, 237
RGB Percent	100%, 69%, 93%
CMY	0.0000, 0.3098, 0.0706
CMYK	0.00, 0.31, 0.07, 0.00
HSL	314°, 100%, 85%
HSV	314°, 31%, 100%
XYZ	72.0514, 58.4251, 87.6004
YIQ	206.5750, 27.5030, 35.7190

Conversions

Conversions Part 2

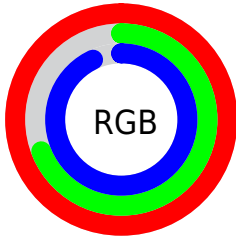
Format	Color
R _Y B	255, 176, 237
Decimal	16756973
CIE Lab	80.97, 37.91, -18.82
CIE LCh	81, 42.321, 333.602
Yxy	58.4251, 0.3304, 0.2679
Android (android.graphics.Color)	4294947053 (0xFFFFB0ED)
YUV	206.5750, 14.9995, 42.4687
Hunter-Lab	76.4363, 34.4965, -14.4443

Details

The RYB color **255, 176, 237** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **176, 240, 255**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **255, 232, 255**, and **197, 122, 181** is the 20% darker color. If you saturate the color by 10%, you get **255, 150, 231**, and if you desaturate by 10%, it is **255, 202, 243**.

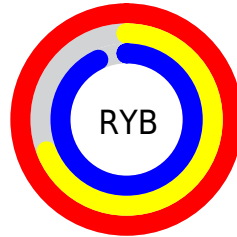
Distribution



Red (100%)

Green (69%)

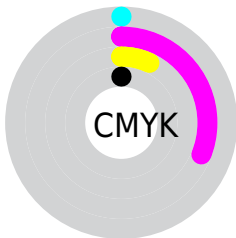
Blue (93%)



Red (100%)

Yellow (69%)

Blue (93%)

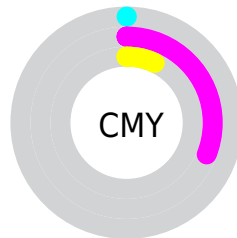


Cyan (0%)

Magenta (31%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the RYB color 255, 176, 237 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, 176, 237 by changing the saturation by 10% instead.


 255, 176, 237

 255, 176, 237

255, 255, 255

 226, 149, 209


 255, 232, 255

 197, 122, 181

 169, 96, 154

 142, 71, 128

 115, 46, 103

 90, 21, 79

 64, 0, 56

 43, 0, 34

 0, 0, 8

■ 255, 176, 237

■ 255, 176, 237

■ 255, 150, 231

■ 255, 202, 243

■ 255, 125, 225

■ 255, 227, 249

■ 255, 99, 220

■ 255, 253, 254

■ 255, 74, 214

255, 255, 255

■ 255, 49, 208

■ 255, 23, 202

■ 255, 0, 197

Harmonies

Analogous

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



212, 189, 255



255, 176, 237



255, 170, 198

Triad

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



255, 176, 237



151, 223, 121



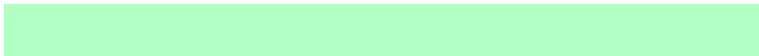
31, 131, 244

Complementary

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



255, 176, 237



176, 240, 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.



78, 155, 222



255, 176, 237



134, 212, 165

Square

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



255, 176, 237



255, 233, 131



133, 196, 219



82, 157, 255

Rectangle

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



255, 176, 237



255, 172, 171



133, 196, 219



41, 134, 231

Sweetspot

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



255, 176, 237



255, 232, 250



193, 176, 255



128, 113, 124



0, 0, 0



128, 128, 128

Same Dimension

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



255, 176, 237



255, 161, 234



255, 176, 198



128, 115, 125



191, 0, 148



64, 0, 49

Inverse Universe

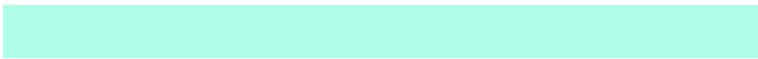
The Inverse Universe completely reimagines the original color for something new.



255, 176, 237



255, 161, 234



176, 222, 255



128, 115, 125



191, 0, 148



64, 0, 49

Previews

White Background



This preview shows how the RYB color 255, 176, 237 looks on a white background.

Color Contrast Check

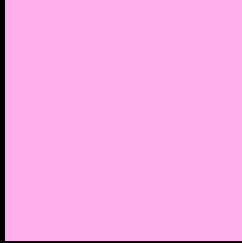
Large Text (above 18pt) WCAG AA × Fail

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, 176, 237 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, 176, 237 Background



This preview shows how black text looks on a background with the RYB color 255, 176, 237.

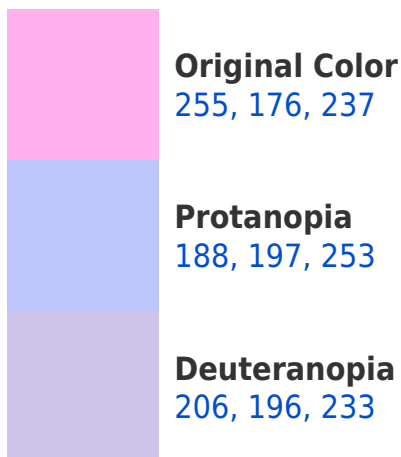



This preview shows how white text looks on a background with the RYB color 255, 176, 237.

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
250, 183, 197

Trichromacy



Original Color

255, 176, 237



Protanomaly

212, 191, 247



Deuteranomaly

224, 189, 234



Tritanomaly

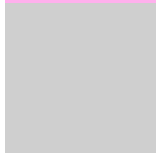
252, 180, 212

Monochromacy



Original Color

255, 176, 237



Achromatopsia

207, 207, 207



Achromatomaly

224, 196, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 176, 237 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, 176, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 237)  
}
```

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, 176, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 237) }
```

Border

The CSS property to change the border of an element to RYB 255, 176, 237 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, 176, 237) }
```

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

```
.border{ border-color:rgb(255, 176, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 237); box-shadow:4px 4px 4px 4px rgb(255, 176, 237) }
```

Background

The CSS property to change the background color of an element to RYB 255, 176, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 237) }
```

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

```
.background{ background-color: rgb(255,  
176, 237) }
```

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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