

Converting Colors

`RYB(255, 80, 224)`

Have a look what the booklet for
RYB(255, 80, 224) contains.

RYB(255, 80, 224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(255, 80, 224)`

Conversions

Conversions Part 1

Format	Color
Hex	FF50E0
RGB	255, 80, 224
RGB Percent	100%, 31%, 88%
CMY	0.0000, 0.6863, 0.1216
CMYK	0.00, 0.69, 0.12, 0.00
HSL	311°, 100%, 66%
HSV	311°, 69%, 100%
XYZ	57.5632, 32.3791, 73.7369
YIQ	148.7410, 58.0760, 81.8840

Conversions

Conversions Part 2

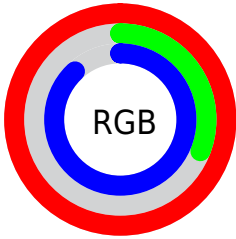
Format	Color
RYB	255, 80, 224
Decimal	16732384
CIELab	63.66, 79.69, -38.30
CIElCh	64, 88.415, 334.333
Yxy	32.3791, 0.3517, 0.1978
Android (android.graphics.Color)	4294922464 (0xFFFF50E0)
YUV	148.7410, 37.1027, 93.1891
Hunter-Lab	56.9027, 80.9924, -36.9986

Details

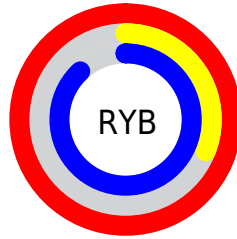
The RYB color **255, 80, 224** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **80, 229, 255**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **255, 142, 255**, and **194, 0, 168** is the 20% darker color. If you saturate the color by 10%, you get **255, 55, 219**, and if you desaturate by 10%, it is **255, 106, 229**.

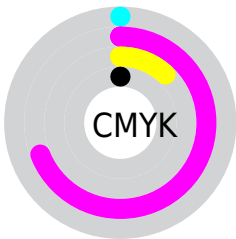
Distribution



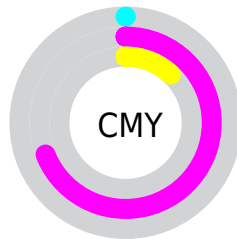
- Red (100%)
- Green (31%)
- Blue (88%)



- Red (100%)
- Yellow (31%)
- Blue (88%)



- Cyan (0%)
- Magenta (69%)
- Yellow (12%)
- Black (0%)



















- Cyan (0%)
- Magenta (69%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 80, 224 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, 80, 224 by changing the saturation by 10% instead.

 255, 80, 224	 255, 80, 224
 255, 255, 255	 224, 43, 196
 255, 142, 255	 194, 0, 168
 255, 171, 255	 165, 0, 141
 255, 201, 255	 135, 0, 116
 255, 231, 255	 107, 0, 90
	 79, 0, 66
	 51, 0, 43
	 12, 0, 21
	 0, 0, 0

■ 255, 80, 224

■ 255, 80, 224

■ 255, 55, 219

■ 255, 106, 229

■ 255, 29, 215

■ 255, 131, 233

■ 255, 4, 210

■ 255, 157, 238

■ 255, 0, 210

■ 255, 182, 242

■ 255, 208, 247

■ 255, 233, 251

255, 255, 255

Harmonies

Analogous

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



163, 127, 255



255, 80, 224



255, 47, 146

Triad

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



255, 80, 224



24, 176, 0



0, 105, 242

Complementary

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



255, 80, 224



80, 229, 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, 188



255, 80, 224



0, 174, 82

Square

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



255, 80, 224



223, 238, 0



0, 128, 184



0, 106, 255

Rectangle

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



255, 80, 224



255, 64, 95



0, 128, 184



0, 101, 217

Sweetspot

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



255, 80, 224



255, 201, 246



109, 80, 255



128, 96, 122



0, 0, 0



128, 128, 128

Same Dimension

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



255, 80, 224



255, 46, 218



255, 80, 138



128, 115, 125



191, 0, 157



64, 0, 52

Inverse Universe

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



255, 80, 224



255, 46, 218



80, 185, 255



128, 115, 125



191, 0, 157



64, 0, 52

Previews

White Background



This preview shows how the RYB color 255, 80, 224 looks on a white background.

Color Contrast Check

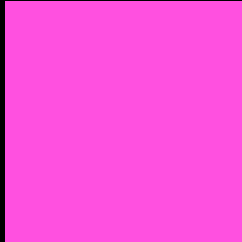
Large Text (above 18pt) WCAG AA × Fail

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, 80, 224 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, 80, 224 Background



This preview shows how black text looks on a background with the RGB color 255, 80, 224.

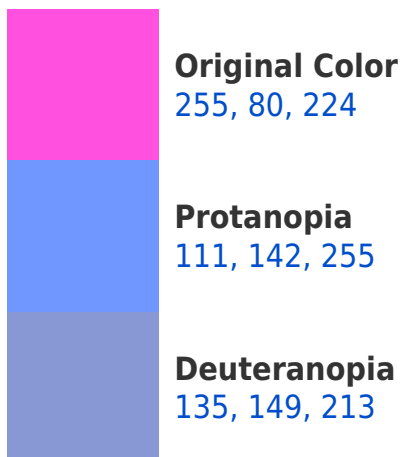


This preview shows how white text looks on a background with the RGB color 255, 80, 224.

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
245, 112, 119

Trichromacy



Original Color

255, 80, 224



Protanomaly

163, 125, 244



Deuteranomaly

179, 126, 217



Tritanomaly

249, 100, 157

Monochromacy



Original Color

255, 80, 224



Achromatopsia

149, 149, 149



Achromatomaly

188, 124, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 80, 224 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, 80, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 224)  
}
```

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, 80, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 224) }
```

Border

The CSS property to change the border of an element to RYB 255, 80, 224 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, 80, 224) }
```

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

```
.border{ border-color:rgb(255, 80, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 80, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
224) }
```

Background

The CSS property to change the background color of an element to RGB 255, 80, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 224) }
```

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

```
.background{ background-color: rgb(255, 80,  
224) }
```

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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