

Converting Colors

RGB(255, 123, 235)

Have a look what the booklet for
RGB(255, 123, 235) contains.

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Color

RGB(255, 123, 235)

Conversions

Conversions Part 1	
Format	Color
Hex	FF7BEB
RGB	255, 123, 235
RGB Percent	100%, 48%, 92%
CMY	0.0000, 0.5176, 0.0784
CMYK	0.00, 0.52, 0.08, 0.00
HSL	309°, 100%, 74%
HSV	309°, 52%, 100%
XYZ	63.3184, 41.4241, 83.2557
YIQ	175.2360, 42.7200, 62.8160

Conversions

Conversions Part 2

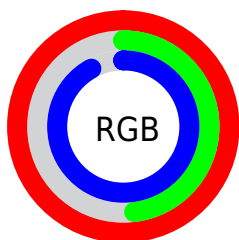
Format	Color
RYB	255, 123, 235
Decimal	16743403
CIELab	70.47, 63.96, -33.80
CIELCh	70, 72.340, 332.148
Yxy	41.4241, 0.3368, 0.2203
Android (android.graphics.Color)	4294933483 (0xFFFF7BEB)
YUV	175.2360, 29.4637, 69.9530
Hunter-Lab	64.3615, 62.9741, -31.6422

Details

The RGB color **255, 123, 235** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **123, 255, 143**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **255, 180, 255**, and **196, 66, 179** is the 20% darker color. If you saturate the color by 10%, you get **255, 98, 231**, and if you desaturate by 10%, it is **255, 149, 239**.

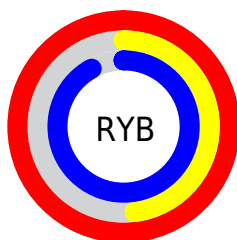
Distribution



Red (100%)

Green (48%)

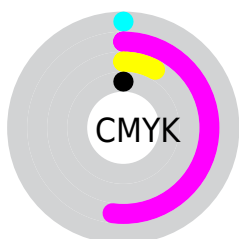
Blue (92%)



Red (100%)

Yellow (48%)

Blue (92%)

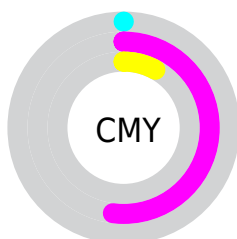


Cyan (0%)

Magenta (52%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 255, 123, 235 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 RGB color 255, 123, 235 by changing the saturation by 10% instead.

 255, 123, 235

255, 255, 255

 255, 180, 255

 255, 209, 255

 255, 238, 255


 255, 123, 235

 225, 95, 207

 196, 66, 179

 167, 33, 152

 138, 0, 126

 111, 0, 100

 83, 0, 76

 59, 0, 53

 28, 0, 31

 0, 0, 0

 255, 123, 235


 255, 123, 235

 255, 98, 231


 255, 149, 239

 255, 72, 227

 255, 174, 243

 255, 47, 223

 255, 200, 247

 255, 21, 220

 255, 225, 250

 255, 0, 216

 255, 251, 254

255, 255, 255

Harmonies

Analogous

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



178, 153, 255



255, 123, 235



255, 106, 170

Triad

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



255, 123, 235



200, 171, 7



0, 202, 241

Complementary

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



255, 123, 235



123, 255, 143

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, 203, 175



255, 123, 235



134, 188, 47

Square

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



255, 123, 235



252, 146, 51



0, 199, 107



0, 195, 255

Rectangle

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



255, 123, 235



255, 112, 127



0, 199, 107



0, 203, 220

Sweetspot

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



255, 123, 235



255, 214, 249



143, 123, 255



128, 103, 124



0, 0, 0



128, 128, 128

Same Dimension

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



255, 123, 235



255, 97, 231



255, 123, 169



128, 115, 126



191, 0, 162



64, 0, 54

Inverse Universe

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



255, 123, 235



255, 97, 231



123, 255, 209



128, 115, 126



191, 0, 162



64, 0, 54

Previews

White Background



This preview shows how the RGB color 255, 123, 235 looks on a white background.

Color Contrast Check

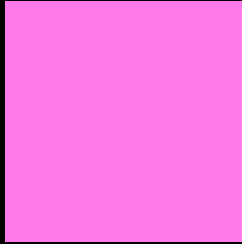
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 255, 123, 235 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, 123, 235 Background



This preview shows how black text looks on a background with the RGB color 255, 123, 235.



This preview shows how white text looks on a background with the RGB color 255, 123, 235.

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, 123, 235

Protanopia

143, 170, 255

Deuteranopia

160, 170, 227



Tritanopia

246, 142, 153

Trichromacy



Original Color

255, 123, 235



Protanomaly

184, 153, 248



Deuteranomaly

195, 153, 230



Tritanomaly

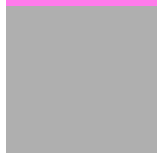
249, 135, 183

Monochromacy



Original Color

255, 123, 235



Achromatopsia

175, 175, 175



Achromatomaly

204, 156, 197

CSS Examples

Text

The CSS property to change the color of the text to RGB 255, 123, 235 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, 123, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 235)  
}
```

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, 123, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 235) }
```

Border

The CSS property to change the border of an element to RGB 255, 123, 235 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, 123, 235) }
```

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

```
.border{ border-color:rgb(255, 123, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 255, 123, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 235) }
```

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

```
.background{ background-color: rgb(255,  
123, 235) }
```

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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