

Converting Colors

RGB(236, 123, 200)

Have a look what the booklet for
RGB(236, 123, 200) contains.

RGB(236, 123, 200)	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

RGB(236, 123, 200)

Conversions

Conversions Part 1

Format	Color
Hex	EC7BC8
RGB	236, 123, 200
RGB Percent	93%, 48%, 78%
CMY	0.0745, 0.5176, 0.2157
CMYK	0.00, 0.48, 0.15, 0.07
HSL	319°, 75%, 70%
HSV	319°, 48%, 93%
XYZ	52.1004, 36.1689, 58.8789
YIQ	165.5650, 42.6310, 47.9030

Conversions

Conversions Part 2

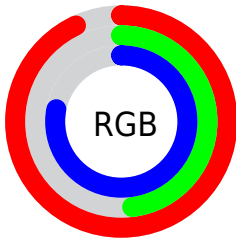
Format	Color
R_{YB}	236, 123, 200
Decimal	15498184
CIE _{Lab}	66.65, 52.96, -20.44
CIE _{LCh}	67, 56.766, 338.892
Yxy	36.1689, 0.3541, 0.2458
Android (android.graphics.Color)	4293688264 (0xFFEC7BC8)
YUV	165.5650, 16.9765, 61.7715
Hunter-Lab	60.1406, 49.3902, -15.9477

Details

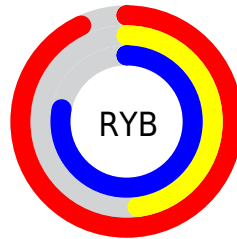
The RGB color **236, 123, 200** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **123, 236, 159**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 178, 255**, and **178, 69, 146** is the 20% darker color. If you saturate the color by 10%, you get **236, 99, 192**, and if you desaturate by 10%, it is **236, 147, 208**.

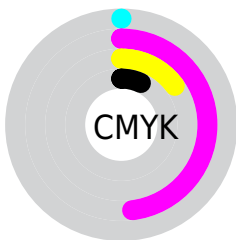
Distribution



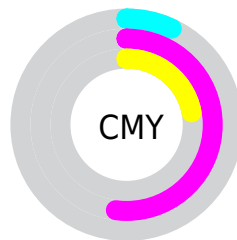
- Red (93%)
- Green (48%)
- Blue (78%)



- Red (93%)
- Yellow (48%)
- Blue (78%)



- Cyan (0%)
- Magenta (48%)
- Yellow (15%)
- Black (7%)



- Cyan (7%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 236, 123, 200 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 236, 123, 200 by changing the saturation by 10% instead.

 236, 123, 200

 236, 123, 200

255, 255, 255

 207, 96, 173

 255, 178, 255

 178, 69, 146

 255, 207, 255

 150, 40, 120

 255, 236, 255

 122, 0, 95

 95, 0, 71

 68, 0, 49

 44, 0, 28

 0, 0, 0

 236, 123, 200

 236, 123, 200


 236, 99, 192


 236, 147, 208

 236, 76, 185

 236, 170, 215

 236, 52, 177

 236, 194, 223

 236, 29, 170

 236, 217, 230

 236, 5, 162

 236, 241, 238

 236, 0, 161

 236, 255, 245

 236, 255, 253

 236, 255, 255

Harmonies

Analogous

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



185, 142, 242



236, 123, 200



255, 116, 149

Triad

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



236, 123, 200



176, 164, 54



0, 185, 225

Complementary

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



236, 123, 200



123, 236, 159

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, 187, 176



236, 123, 200



121, 177, 78

Square

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



236, 123, 200



220, 146, 65



22, 185, 123



0, 177, 255

Rectangle

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



236, 123, 200



254, 122, 116



22, 185, 123



0, 186, 210

Sweetspot

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



236, 123, 200



255, 219, 244



159, 123, 236



128, 106, 121



0, 0, 0



128, 128, 128

Same Dimension

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



236, 123, 200



255, 110, 209



236, 123, 144



117, 106, 114



181, 0, 123



54, 0, 36

Inverse Universe

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



236, 123, 200



255, 110, 209



123, 236, 215



117, 106, 114



181, 0, 123



54, 0, 36

Previews

White Background



This preview shows how the RGB color 236, 123, 200 looks on a white background.

Color Contrast Check

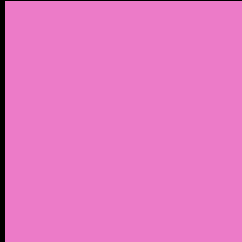
Large Text (above 18pt) WCAG AA × Fail

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 236, 123, 200 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 236, 123, 200 Background



This preview shows how black text looks on a background with the RGB color 236, 123, 200.

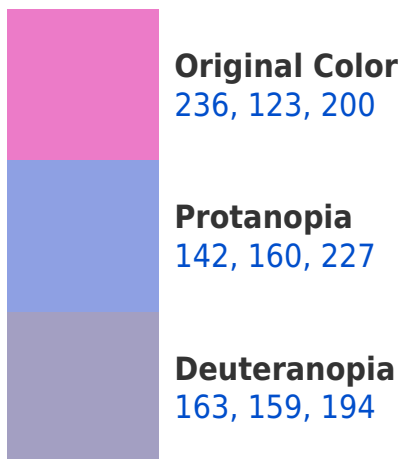


This preview shows how white text looks on a background with the RGB color 236, 123, 200.

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
230, 135, 145

Trichromacy



Original Color

236, 123, 200



Protanomaly

176, 147, 217



Deuteranomaly

190, 146, 196



Tritanomaly

232, 131, 165

Monochromacy



Original Color

236, 123, 200



Achromatopsia

166, 166, 166



Achromatomaly

191, 150, 178

CSS Examples

Text

The CSS property to change the color of the text to RGB 236, 123, 200 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(236, 123, 200)` looks like.

```
.text, #text, p{  
    color:rgb(236, 123, 200)  
}
```

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(236, 123, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 123, 200) }
```

Border

The CSS property to change the border of an element to RGB 236, 123, 200 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(236, 123, 200) }
```

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

```
.border{ border-color:rgb(236, 123, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 123, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 123, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 123, 200);  
box-shadow:4px 4px 4px 4px rgb(236, 123,  
200) }
```

Background

The CSS property to change the background color of an element to RGB 236, 123, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 123, 200) }
```

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

```
.background{ background-color: rgb(236,  
123, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor