

# Converting Colors

`RYB(236, 121, 205)`

Have a look what the booklet for  
RYB(236, 121, 205) contains.

<b>RYB(236, 121, 205)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RYB(236, 121, 205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC79CD
RGB	236, 121, 205
RGB Percent	93%, 47%, 80%
CMY	0.0745, 0.5255, 0.1961
CMYK	0.00, 0.49, 0.13, 0.07
HSL	316°, 75%, 70%
HSV	316°, 49%, 93%
XYZ	52.4489, 35.9154, 61.9256
YIQ	164.9610, 41.5760, 50.5040

# Conversions

## Conversions Part 2

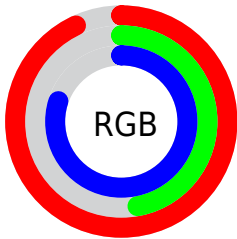
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 121, 205
Decimal	15497677
CIE <sub>Lab</sub>	66.46, 54.70, -23.54
CIE <sub>LCh</sub>	66, 59.552, 336.716
Yxy	35.9154, 0.3490, 0.2390
Android (android.graphics.Color)	4293687757 (0xFFEC79CD)
YUV	164.9610, 19.7392, 62.3012
Hunter-Lab	59.9294, 51.3426, -19.3142

# Details

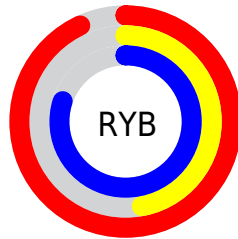
The RYB color **236, 121, 205** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **121, 212, 236**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 177, 255**, and **178, 66, 151** is the 20% darker color. If you saturate the color by 10%, you get **236, 97, 199**, and if you desaturate by 10%, it is **236, 145, 211**.

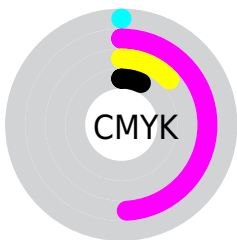
# Distribution



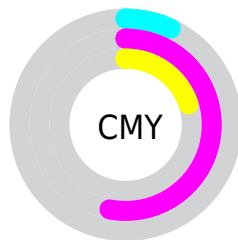
- Red (93%)
- Green (47%)
- Blue (80%)



- Red (93%)
- Yellow (47%)
- Blue (80%)



- Cyan (0%)
- Magenta (49%)
- Yellow (13%)
- Black (7%)



- Cyan (7%)
- Magenta (53%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 121, 205 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 236, 121, 205 by changing the saturation by 10% instead.



 236, 121, 205

 236, 121, 205


255, 255, 255

 207, 94, 177

 255, 177, 255

 178, 66, 151

 255, 205, 255

 150, 37, 125

 255, 234, 255

 122, 0, 99

 95, 0, 75

 68, 0, 52

 44, 0, 31

 0, 0, 0

 236, 121, 205

 236, 121, 205

 236, 97, 199

 236, 145, 211

 236, 74, 192


 236, 168, 218

 236, 50, 186

 236, 192, 224

 236, 27, 180

 236, 215, 230

 236, 3, 173

 236, 238, 239

 236, 0, 172

 236, 250, 255

 236, 247, 255

 236, 246, 255

# Harmonies

## Analogous

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



180, 142, 248



236, 121, 205



255, 112, 152

# Triad

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



236, 121, 205



64, 179, 46



0, 102, 224

# Complementary

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



236, 121, 205



121, 212, 236

# 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, 98, 188



236, 121, 205



70, 177, 124

# Square

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



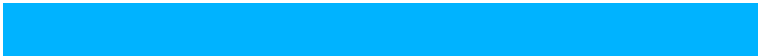
236, 121, 205



222, 224, 61



15, 121, 185



0, 105, 255

# Rectangle

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



236, 121, 205



255, 118, 117



15, 121, 185



0, 98, 208



# Sweetspot

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



236, 121, 205



255, 217, 245



152, 121, 236



128, 105, 121



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 121, 205



255, 107, 215



236, 121, 148



117, 106, 114



181, 0, 132



54, 0, 39



# Inverse Universe

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



236, 121, 205



255, 107, 215



121, 186, 236



117, 106, 114



181, 0, 132

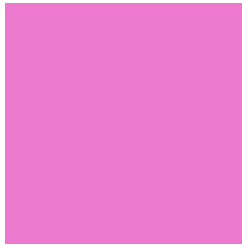


54, 0, 39



# Previews

## White Background



This preview shows how the RYB color 236, 121, 205 looks on a white background.

## Color Contrast Check

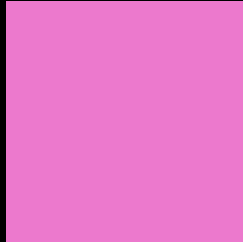
Large Text (above 18pt) WCAG AA × Fail

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 236, 121, 205 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, 121, 205 Background



This preview shows how black text looks on a background with the RGB color 236, 121, 205.

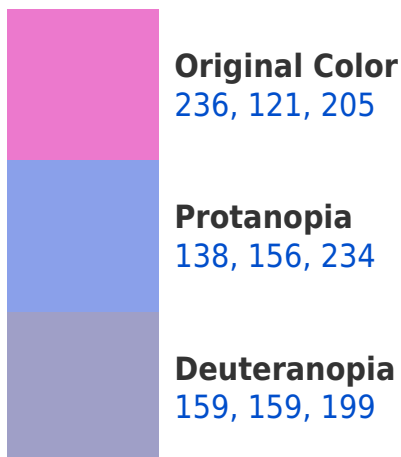


This preview shows how white text looks on a background with the RGB color 236, 121, 205.

# 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**  
229, 134, 144

# Trichromacy



**Original Color**

236, 121, 205



**Protanomaly**

174, 146, 223



**Deuteranomaly**

187, 145, 201



**Tritanomaly**

232, 129, 166

# Monochromacy



**Original Color**

236, 121, 205



**Achromatopsia**

165, 165, 165



**Achromatomaly**

191, 149, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 121, 205 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, 121, 205)` looks like.

```
.text, #text, p{  
    color:rgb(236, 121, 205)  
}
```

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, 121, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 121, 205) }
```

## Border

The CSS property to change the border of an element to RYB 236, 121, 205 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, 121, 205) }
```

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

```
.border{ border-color:rgb(236, 121, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 121, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 121, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 121, 205);  
box-shadow:4px 4px 4px 4px rgb(236, 121,  
205) }
```

# Background

The CSS property to change the background color of an element to RYB 236, 121, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 121, 205) }
```

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

```
.background{ background-color: rgb(236,  
121, 205) }
```

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