

# Converting Colors

`RYB(236, 102, 158)`

Have a look what the booklet for  
RYB(236, 102, 158) contains.

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# Color

**`RYB(236, 102, 158)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC669E
RGB	236, 102, 158
RGB Percent	93%, 40%, 62%
CMY	0.0745, 0.6000, 0.3804
CMYK	0.00, 0.57, 0.33, 0.07
HSL	335°, 78%, 66%
HSV	335°, 57%, 93%
XYZ	45.5150, 29.8042, 35.7016
YIQ	148.4500, 61.8880, 45.8240

# Conversions

## Conversions Part 2

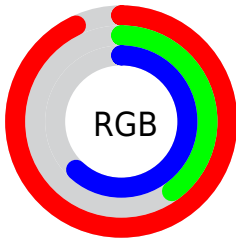
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 102, 158
Decimal	15492766
CIE Lab	61.48, 57.19, -4.32
CIE LCh	61, 57.355, 355.682
Yxy	29.8042, 0.4100, 0.2685
Android (android.graphics.Color)	4293682846 (0xFFEC669E)
YUV	148.4500, 4.7082, 76.7814
Hunter-Lab	54.5933, 53.2792, -0.5578

# Details

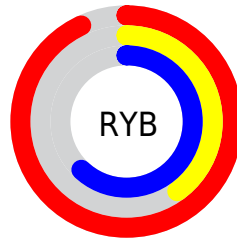
The RYB color **236, 102, 158** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **102, 187, 236**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **255, 158, 213**, and **176, 44, 107** is the 20% darker color. If you saturate the color by 10%, you get **236, 78, 144**, and if you desaturate by 10%, it is **236, 126, 172**.

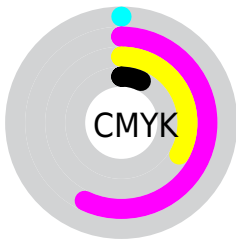
# Distribution



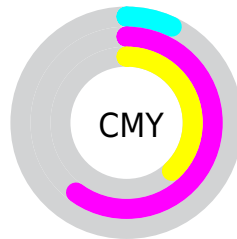
- Red (93%)
- Green (40%)
- Blue (62%)



- Red (93%)
- Yellow (40%)
- Blue (62%)



- Cyan (0%)
- Magenta (57%)
- Yellow (33%)
- Black (7%)



- Cyan (7%)
- Magenta (60%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 102, 158 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, 102, 158 by changing the saturation by 10% instead.



 236, 102, 158

 236, 102, 158

255, 255, 255

 206, 74, 132

 255, 158, 213

 176, 44, 107


 255, 186, 241

 147, 0, 83

 255, 215, 255

 119, 0, 60

 255, 244, 255


 91, 0, 38

 65, 0, 17

 34, 0, 1

 0, 0, 0


 236, 102, 158


 236, 102, 158


 236, 78, 144

 236, 126, 172

 236, 55, 131

 236, 149, 185

 236, 31, 117

 236, 173, 199

 236, 8, 103

 236, 196, 213

 236, 0, 99

 236, 220, 227

 236, 241, 244

 236, 246, 255

 236, 246, 255

# Harmonies

## Analogous

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



203, 117, 206



236, 102, 158



240, 106, 107

# Triad

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



236, 102, 158



49, 159, 76



0, 97, 232

# Complementary

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



236, 102, 158



102, 187, 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, 91, 191



236, 102, 158



64, 149, 168

# Square

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



236, 102, 158



91, 182, 38



0, 95, 172



0, 96, 250

# Rectangle

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



236, 102, 158



228, 131, 78



0, 95, 172



0, 96, 220



# Sweetspot

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



236, 102, 158



255, 212, 230



178, 102, 236



128, 102, 113



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 102, 158



255, 82, 154



236, 112, 102



117, 106, 110



181, 0, 76



54, 0, 22



# Inverse Universe

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



236, 102, 158



255, 82, 154



102, 167, 236



117, 106, 110



181, 0, 76



54, 0, 22



# Previews

## White Background



This preview shows how the RYB color 236, 102, 158 looks on a white background.

## Color Contrast Check

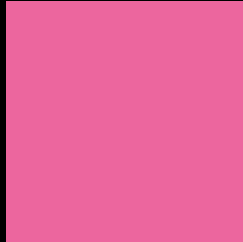
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102, 158 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 236, 102, 158 Background



This preview shows how black text looks on a background with the RGB color 236, 102, 158.

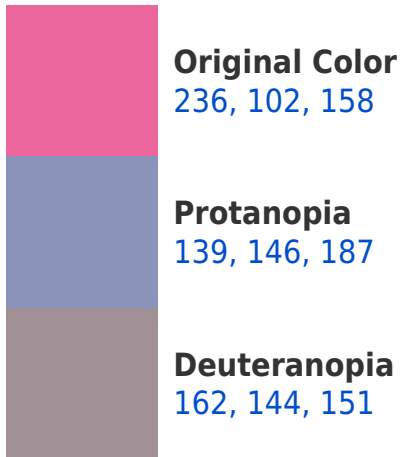


This preview shows how white text looks on a background with the RGB color 236, 102, 158.

# 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](#).

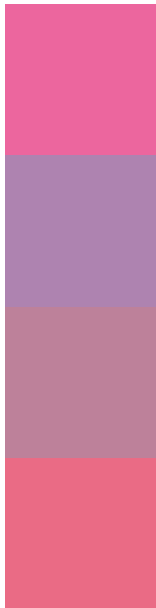
## Dichromacy





**Tritanopia**  
233, 110, 118

# Trichromacy



**Original Color**  
236, 102, 158

**Protanomaly**  
174, 131, 176

**Deuteranomaly**  
189, 129, 154

**Tritanomaly**  
234, 107, 133

# Monochromacy



**Original Color**  
236, 102, 158

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
180, 131, 152

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 102, 158 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, 102, 158) looks like.

```
.text, #text, p{  
    color:rgb(236, 102, 158)  
}
```

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, 102, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 102, 158) }
```

## Border

The CSS property to change the border of an element to RYB 236, 102, 158 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, 102, 158) }
```

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

```
.border{ border-color:rgb(236, 102, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 102, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 102, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 102, 158);  
box-shadow:4px 4px 4px 4px rgb(236, 102,  
158) }
```

# Background

The CSS property to change the background color of an element to RGB 236, 102, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 102, 158) }
```

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

```
.background{ background-color: rgb(236,  
102, 158) }
```

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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