

Converting Colors

`RYB(237, 102, 133)`

Have a look what the booklet for
RYB(237, 102, 133) contains.

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Color

R_YB(237, 102, 133)

Conversions

Conversions Part 1

Format	Color
Hex	ED6685
RGB	237, 102, 133
RGB Percent	93%, 40%, 52%
CMY	0.0706, 0.6000, 0.4784
CMYK	0.00, 0.57, 0.44, 0.07
HSL	346°, 79%, 66%
HSV	346°, 57%, 93%
XYZ	43.9101, 29.2007, 25.5123
YIQ	145.8990, 70.5090, 38.2610

Conversions

Conversions Part 2

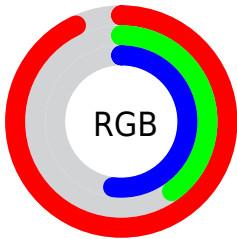
Format	Color
R _Y B	237, 102, 133
Decimal	15558277
CIE Lab	60.96, 54.81, 9.39
CIE LCh	61, 55.607, 9.719
Yxy	29.2007, 0.4452, 0.2961
Android (android.graphics.Color)	4293748357 (0xFFED6685)
YUV	145.8990, -6.3592, 79.8956
Hunter-Lab	54.0377, 50.4799, 9.8344

Details

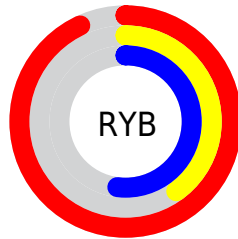
The RYB color **237, 102, 133** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **102, 178, 237**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **255, 157, 186**, and **177, 45, 84** is the 20% darker color. If you saturate the color by 10%, you get **237, 78, 115**, and if you desaturate by 10%, it is **237, 126, 151**.

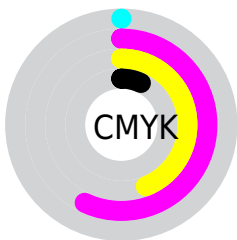
Distribution



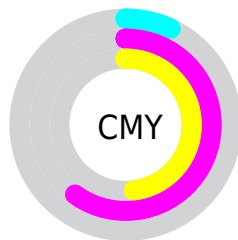
- Red (93%)
- Green (40%)
- Blue (52%)



- Red (93%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (57%)
- Yellow (44%)
- Black (7%)



- Cyan (7%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 102, 133 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 237, 102, 133 by changing the saturation by 10% instead.

 237, 102, 133

 237, 102, 133

255, 255, 255

 207, 74, 108

 255, 157, 186

 177, 45, 84

 255, 186, 214

 147, 4, 61

 255, 215, 242

 118, 0, 39


 255, 244, 255


 89, 0, 19

 63, 0, 2

 29, 0, 1

 0, 0, 0

 237, 102, 133

 237, 102, 133

■ 237, 78, 115

■ 237, 126, 151

■ 237, 55, 96

■ 237, 149, 170

■ 237, 31, 78

■ 237, 173, 188

■ 237, 7, 60

■ 237, 197, 206

■ 237, 0, 54

■ 237, 220, 224

■ 237, 241, 244

■ 237, 246, 255

Harmonies

Analogous

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



219, 108, 182



237, 102, 133



229, 119, 87

Triad

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



237, 102, 133



67, 162, 124



0, 96, 239

Complementary

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



237, 102, 133



102, 178, 237

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, 93, 209



237, 102, 133



0, 102, 169

Square

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



237, 102, 133



50, 158, 41



0, 88, 171



81, 128, 244

Rectangle

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



237, 102, 133



212, 174, 62



0, 88, 171



0, 96, 231

Sweetspot

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



237, 102, 133



255, 212, 222



205, 102, 237



128, 102, 108



0, 0, 0



128, 128, 128

Same Dimension

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



237, 102, 133



255, 82, 121



237, 151, 102



117, 106, 108



181, 0, 42



54, 0, 12

Inverse Universe

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



237, 102, 133



255, 82, 121



102, 159, 237



117, 106, 108



181, 0, 42



54, 0, 12

Previews

White Background



This preview shows how the RYB color 237, 102, 133 looks on a white background.

Color Contrast Check

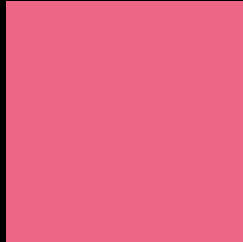
Large Text (above 18pt) WCAG AA ✓ Pass

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 237, 102, 133 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](#).

RYB 237, 102, 133 Background



This preview shows how black text looks on a background with the RYB color 237, 102, 133.

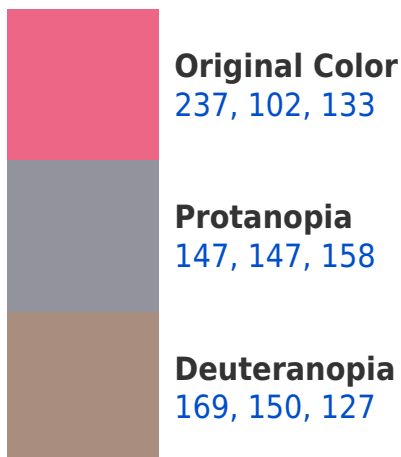


This preview shows how white text looks on a background with the RYB color 237, 102, 133.

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](#).

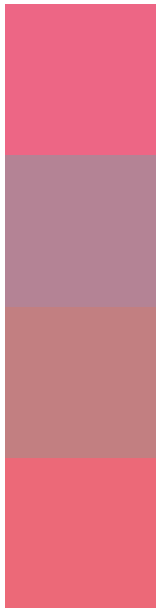
Dichromacy





Tritanopia
236, 106, 113

Trichromacy



Original Color

237, 102, 133

Protanomaly

180, 131, 149

Deuteranomaly

194, 127, 129

Tritanomaly

236, 105, 120

Monochromacy



Original Color

237, 102, 133

Achromatopsia

146, 146, 146

Achromatomaly

179, 130, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 102, 133 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(237, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(237, 102, 133)  
}
```

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(237, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 102, 133) }
```

Border

The CSS property to change the border of an element to RYB 237, 102, 133 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(237, 102, 133) }
```

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

```
.border{ border-color:rgb(237, 102, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(237, 102,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 237, 102, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 102, 133) }
```

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

```
.background{ background-color: rgb(237,  
102, 133) }
```

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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