

# Converting Colors

`RYB(233, 166, 240)`

Have a look what the booklet for  
RYB(233, 166, 240) contains.

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# Color

**R<sub>Y</sub>B(233, 166, 240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9A6F0
RGB	233, 166, 240
RGB Percent	91%, 65%, 94%
CMY	0.0863, 0.3490, 0.0588
CMYK	0.03, 0.31, 0.00, 0.06
HSL	294°, 71%, 80%
HSV	294°, 31%, 94%
XYZ	62.9687, 50.8873, 88.9415
YIQ	194.4690, 16.1780, 37.2180

# Conversions

## Conversions Part 2

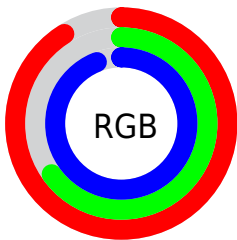
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 166, 240
Decimal	15312624
CIE <sub>Lab</sub>	76.61, 36.69, -27.28
CIE <sub>LCh</sub>	77, 45.727, 323.367
Yxy	50.8873, 0.3105, 0.2509
Android (android.graphics.Color)	4293502704 (0xFFE9A6F0)
YUV	194.4690, 22.4468, 33.7917
Hunter-Lab	71.3354, 32.7274, -23.9885

# Details

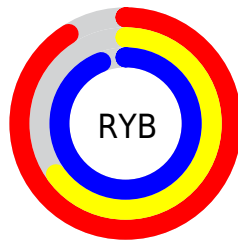
The RYB color **233, 166, 240** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **166, 240, 233**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **255, 222, 255**, and **176, 113, 184** is the 20% darker color. If you saturate the color by 10%, you get **231, 142, 240**, and if you desaturate by 10%, it is **235, 190, 240**.

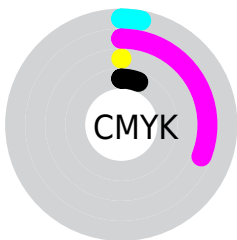
# Distribution



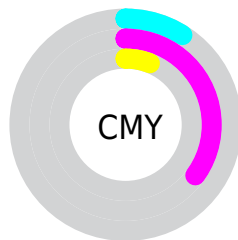
- Red (91%)
- Green (65%)
- Blue (94%)



- Red (91%)
- Yellow (65%)
- Blue (94%)



- Cyan (3%)
- Magenta (31%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (35%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 233, 166, 240 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 233, 166, 240 by changing the saturation by 10% instead.



 233, 166, 240

 233, 166, 240

255, 255, 255

 204, 139, 212

 255, 222, 255


 176, 113, 184

 255, 251, 255

 149, 88, 157

 122, 63, 130

 96, 39, 105

 71, 13, 81


 47, 0, 57

 25, 0, 36

 0, 0, 10

 233, 166, 240

 233, 166, 240

 231, 142, 240

 235, 190, 240

 228, 118, 240

 238, 214, 240

 226, 94, 240

 240, 238, 240

 224, 70, 240

 240, 255, 253

 222, 46, 240

 240, 255, 251

 219, 22, 240

 240, 255, 248

 217, 0, 240

 240, 255, 246

 240, 255, 244

 240, 255, 242

# Harmonies

## Analogous

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



179, 182, 255



233, 166, 240



255, 156, 200

# Triad

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



233, 166, 240



166, 224, 104



0, 108, 221

# Complementary

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



233, 166, 240



166, 240, 233

# 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.



69, 149, 211



233, 166, 240



109, 197, 124

# Square

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



233, 166, 240



255, 191, 123



133, 202, 206



0, 114, 255

# Rectangle

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



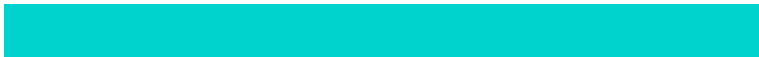
233, 166, 240



255, 155, 172



133, 202, 206



0, 107, 211



# Sweetspot

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



233, 166, 240



253, 232, 255



166, 172, 240



126, 113, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



233, 166, 240



246, 161, 255



240, 166, 210



119, 108, 120



166, 0, 184



51, 0, 56



# Inverse Universe

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



240, 166, 173



255, 161, 170



166, 219, 240



120, 108, 109



184, 0, 17



56, 0, 5



# Previews

## White Background



This preview shows how the RYB color 233, 166, 240 looks on a white background.

## Color Contrast Check

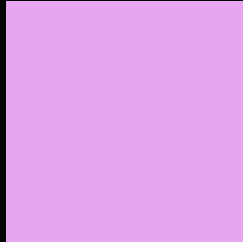
Large Text (above 18pt) WCAG AA × Fail

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 233, 166, 240 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](#).



## **RYB 233, 166, 240 Background**



This preview shows how black text looks on a background with the RYB color 233, 166, 240.

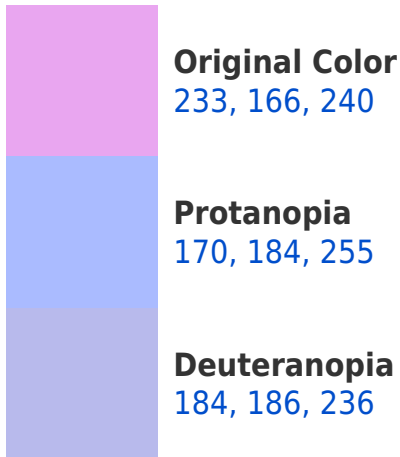



This preview shows how white text looks on a background with the RYB color 233, 166, 240.

# 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**  
226, 176, 189

# Trichromacy



**Original Color**

233, 166, 240



**Protanomaly**

193, 179, 250



**Deuteranomaly**

202, 179, 237



**Tritanomaly**

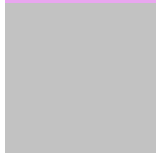
229, 172, 208

# Monochromacy



**Original Color**

233, 166, 240



**Achromatopsia**

194, 194, 194



**Achromatomaly**

208, 184, 211

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 233, 166, 240 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(233, 166, 240) looks like.

```
.text, #text, p{  
    color:rgb(233, 166, 240)  
}
```

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(233, 166, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 166, 240) }
```

## Border

The CSS property to change the border of an element to RYB 233, 166, 240 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(233, 166, 240) }
```

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

```
.border{ border-color:rgb(233, 166, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 166, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 166, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 166, 240);  
box-shadow:4px 4px 4px 4px rgb(233, 166,  
240) }
```

# Background

The CSS property to change the background color of an element to RYB 233, 166, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 166, 240) }
```

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

```
.background{ background-color: rgb(233,  
166, 240) }
```

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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