

Converting Colors

`RYB(233, 176, 234)`

Have a look what the booklet for RYB(233, 176, 234) contains.

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Color

$\text{RYB}(233, 176, 234)$

Conversions

Conversions Part 1

Format	Color
Hex	E9B0EA
RGB	233, 176, 234
RGB Percent	91%, 69%, 92%
CMY	0.0863, 0.3098, 0.0824
CMYK	0.00, 0.25, 0.00, 0.08
HSL	299°, 58%, 80%
HSV	299°, 25%, 92%
XYZ	63.9809, 54.3148, 84.9536
YIQ	199.6550, 15.3540, 30.1220

Conversions

Conversions Part 2

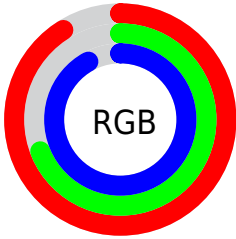
Format	Color
R _Y B	233, 176, 234
Decimal	15315178
CIE Lab	78.64, 30.25, -20.94
CIE LCh	79, 36.790, 325.307
Yxy	54.3148, 0.3148, 0.2672
Android (android.graphics.Color)	4293505258 (0xFFE9B0EA)
YUV	199.6550, 16.9321, 29.2436
Hunter-Lab	73.6986, 25.9909, -16.7555

Details

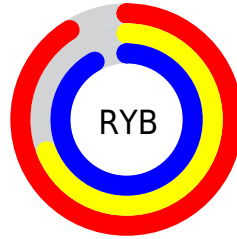
The RYB color **233, 176, 234** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **176, 234, 233**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **255, 232, 255**, and **177, 123, 178** is the 20% darker color. If you saturate the color by 10%, you get **233, 153, 234**, and if you desaturate by 10%, it is **233, 199, 234**.

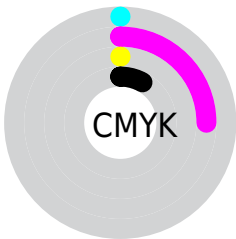
Distribution



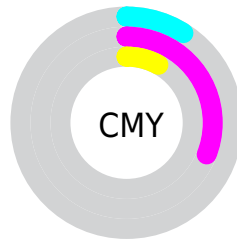
- Red (91%)
- Green (69%)
- Blue (92%)



- Red (91%)
- Yellow (69%)
- Blue (92%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (31%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the RYB color 233, 176, 234 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, 176, 234 by changing the saturation by 10% instead.


 233, 176, 234

 233, 176, 234


255, 255, 255

 204, 149, 206

 255, 232, 255

 177, 123, 178

 149, 97, 151

 123, 73, 125

 97, 49, 100

 73, 26, 76

 49, 2, 53

 29, 0, 32


 0, 0, 3

 233, 176, 234

 233, 176, 234

 233, 153, 234


 233, 199, 234

 232, 129, 234


 234, 223, 234

 232, 106, 234


 234, 246, 246

 231, 82, 234


 234, 255, 254

 231, 59, 234

 234, 255, 253

 231, 36, 234

 234, 255, 252

 230, 12, 234

 230, 0, 234

Harmonies

Analogous

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



192, 188, 255



233, 176, 234



255, 169, 201

Triad

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



233, 176, 234



174, 223, 126



76, 147, 223

Complementary

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



233, 176, 234



176, 234, 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.



107, 167, 213



233, 176, 234



132, 201, 145

Square

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



233, 176, 234



249, 201, 140



148, 203, 209



90, 158, 250

Rectangle

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



233, 176, 234



255, 169, 178



148, 203, 209



84, 149, 213

Sweetspot

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



233, 176, 234



255, 237, 255



176, 178, 234



127, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 176, 234



254, 179, 255



234, 176, 207



117, 106, 117



178, 0, 181



53, 0, 54

Inverse Universe

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



234, 176, 177



255, 179, 180



176, 216, 234



117, 106, 106



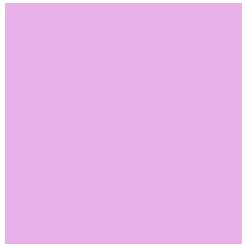
181, 0, 3



54, 0, 1

Previews

White Background



This preview shows how the RYB color 233, 176, 234 looks on a white background.

Color Contrast Check

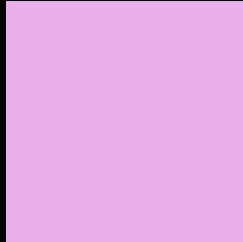
Large Text (above 18pt) WCAG AA × Fail

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, 176, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

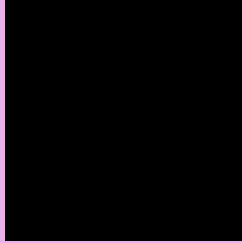
Any Text WCAG AA ✓ Pass

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, 176, 234 Background



This preview shows how black text looks on a background with the RYB color 233, 176, 234.



This preview shows how white text looks on a background with the RYB color 233, 176, 234.

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



Original Color
233, 176, 234

Protanopia
182, 191, 246

Deuteranopia
196, 190, 231



Tritanopia
228, 183, 197

Trichromacy



Original Color

233, 176, 234



Protanomaly

201, 187, 242



Deuteranomaly

209, 185, 232



Tritanomaly

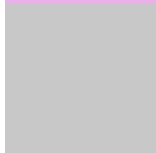
230, 180, 210

Monochromacy



Original Color

233, 176, 234



Achromatopsia

200, 200, 200



Achromatomaly

212, 191, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 176, 234 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, 176, 234) looks like.

```
.text, #text, p{  
    color:rgb(233, 176, 234)  
}
```

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, 176, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 176, 234) }
```

Border

The CSS property to change the border of an element to RYB 233, 176, 234 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, 176, 234) }
```

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

```
.border{ border-color:rgb(233, 176, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 176, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 176, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 176, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 176,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 233, 176, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 176, 234) }
```

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

```
.background{ background-color: rgb(233,  
176, 234) }
```

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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