

# Converting Colors

RGB(231, 133, 178)

Have a look what the booklet for  
RGB(231, 133, 178) contains.

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# **Color**

**RGB(231, 133, 178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E785B2
RGB	231, 133, 178
RGB Percent	91%, 52%, 70%
CMY	0.0941, 0.4784, 0.3020
CMYK	0.00, 0.42, 0.23, 0.09
HSL	332°, 67%, 71%
HSV	332°, 42%, 91%
XYZ	49.3784, 36.9783, 46.6545
YIQ	167.4320, 43.9630, 34.7710

# Conversions

## Conversions Part 2

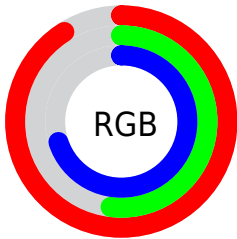
Format	Color
R <sub>Y</sub> B	231, 133, 178
Decimal	15173042
CIE Lab	67.26, 43.07, -7.23
CIE LCh	67, 43.667, 350.475
Yxy	36.9783, 0.3712, 0.2780
Android (android.graphics.Color)	4293363122 (0xFFE785B2)
YUV	167.4320, 5.2100, 55.7491
Hunter-Lab	60.8098, 38.5273, -2.9216

# Details

The RGB color **231, 133, 178** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **133, 231, 186**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **255, 188, 234**, and **173, 80, 125** is the 20% darker color. If you saturate the color by 10%, you get **231, 110, 166**, and if you desaturate by 10%, it is **231, 156, 190**.

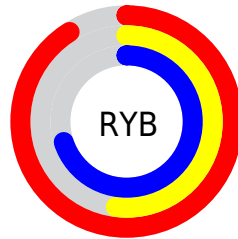
# Distribution



Red (91%)

Green (52%)

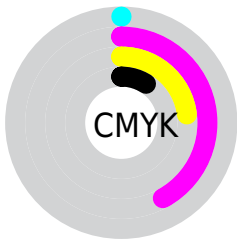
Blue (70%)



Red (91%)

Yellow (52%)

Blue (70%)

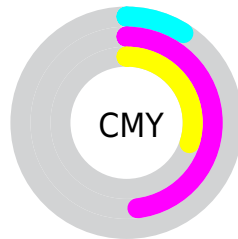


Cyan (0%)

Magenta (42%)

Yellow (23%)

Black (9%)



Cyan (9%)

Magenta (48%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 231, 133, 178 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 RGB color 231, 133, 178 by changing the saturation by 10% instead.



 231, 133, 178

 231, 133, 178


255, 255, 255

 202, 106, 151

 255, 188, 234


 173, 80, 125

 255, 216, 255

 145, 55, 100

 255, 245, 255

 118, 28, 77


 91, 0, 54


 65, 0, 33


 43, 0, 7


 0, 0, 0


 231, 133, 178


 231, 133, 178


 231, 110, 166


 231, 156, 190

 231, 87, 153


 231, 179, 203


 231, 64, 141


 231, 202, 215


 231, 41, 128

 231, 225, 228

 231, 18, 116

 231, 249, 240

 231, 0, 106

 231, 255, 253

 231, 255, 255

# Harmonies

## Analogous

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



201, 143, 214



231, 133, 178



239, 133, 138

# Triad

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



231, 133, 178



161, 170, 88



0, 180, 223

# Complementary

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



231, 133, 178



133, 231, 186

# 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, 184, 190



231, 133, 178



116, 179, 112

# Square

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



231, 133, 178



199, 157, 85



53, 183, 149



70, 172, 241

# Rectangle

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



231, 133, 178



233, 139, 115



53, 183, 149



0, 182, 214



# Sweetspot

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



231, 133, 178



255, 222, 237



185, 133, 231



128, 107, 116



0, 0, 0



128, 128, 128



# Same Dimension

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



231, 133, 178



255, 125, 185



231, 136, 133



115, 103, 109



179, 0, 82



51, 0, 23



# Inverse Universe

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



231, 133, 178



255, 125, 185



133, 228, 231



115, 103, 109



179, 0, 82

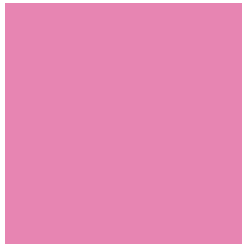


51, 0, 23



# Previews

## White Background



This preview shows how the RGB color 231, 133, 178 looks on a white background.

## Color Contrast Check

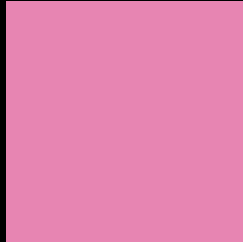
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 231, 133, 178 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 231, 133, 178 Background



This preview shows how black text looks on a background with the RGB color 231, 133, 178.

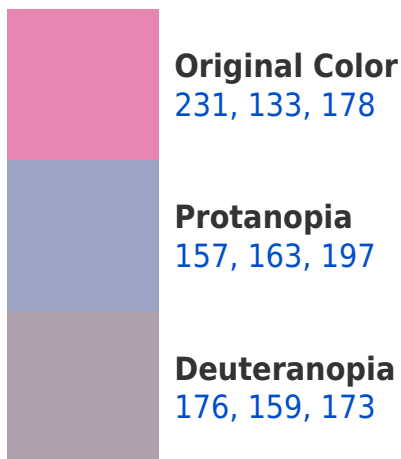


This preview shows how white text looks on a background with the RGB color 231, 133, 178.

# 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**  
228, 138, 149

# Trichromacy



**Original Color**

231, 133, 178



**Protanomaly**

184, 152, 190



**Deuteranomaly**

196, 150, 175



**Tritanomaly**

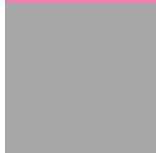
229, 136, 160

# Monochromacy



**Original Color**

231, 133, 178



**Achromatopsia**

167, 167, 167



**Achromatomaly**

190, 155, 171

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 231, 133, 178 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(231, 133, 178)` looks like.

```
.text, #text, p{  
    color:rgb(231, 133, 178)  
}
```

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(231, 133, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 133, 178) }
```

## Border

The CSS property to change the border of an element to RGB 231, 133, 178 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(231, 133, 178) }
```

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

```
.border{ border-color:rgb(231, 133, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 133, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 133, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 133, 178);  
box-shadow:4px 4px 4px 4px rgb(231, 133,  
178) }
```

# Background

The CSS property to change the background color of an element to RGB 231, 133, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 133, 178) }
```

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

```
.background{ background-color: rgb(231,  
133, 178) }
```

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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