

# Converting Colors

RGB(233, 164, 221)

Have a look what the booklet for  
RGB(233, 164, 221) contains.

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# **Color**

**RGB(233, 164, 221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9A4DD
RGB	233, 164, 221
RGB Percent	91%, 64%, 87%
CMY	0.0863, 0.3569, 0.1333
CMYK	0.00, 0.30, 0.05, 0.09
HSL	310°, 61%, 78%
HSV	310°, 30%, 91%
XYZ	59.9309, 49.0950, 74.7242
YIQ	191.1290, 22.8270, 32.3550

# Conversions

## Conversions Part 2

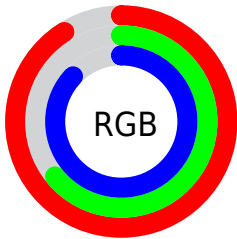
Format	Color
R <sub>Y</sub> B	233, 164, 221
Decimal	15312093
CIE Lab	75.51, 34.31, -18.64
CIE LCh	76, 39.046, 331.492
Yxy	49.0950, 0.3262, 0.2672
Android (android.graphics.Color)	4293502173 (0xFFE9A4DD)
YUV	191.1290, 14.7264, 36.7209
Hunter-Lab	70.0678, 30.0571, -14.1826

# Details

The RGB color **233, 164, 221** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **164, 233, 176**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **255, 220, 255**, and **176, 111, 166** is the 20% darker color. If you saturate the color by 10%, you get **233, 141, 217**, and if you desaturate by 10%, it is **233, 187, 225**.

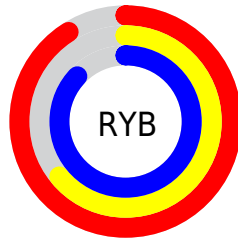
# Distribution



Red (91%)

Green (64%)

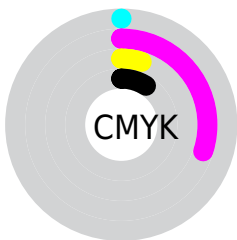
Blue (87%)



Red (91%)

Yellow (64%)

Blue (87%)

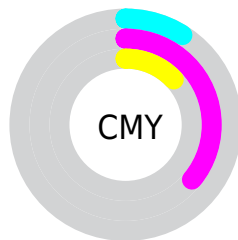


Cyan (0%)

Magenta (30%)

Yellow (5%)

Black (9%)



Cyan (9%)

Magenta (36%)

Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 233, 164, 221 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 233, 164, 221 by changing the saturation by 10% instead.



 233, 164, 221

 233, 164, 221

255, 255, 255

 204, 137, 193

 255, 220, 255

 176, 111, 166

 255, 248, 255

 149, 86, 139

 122, 61, 114

 97, 37, 89

 72, 12, 66

 48, 0, 43

 22, 0, 22

 0, 0, 0

 233, 164, 221


 233, 164, 221

 233, 141, 217


 233, 187, 225

 233, 117, 213

 233, 211, 229

 233, 94, 209


 233, 234, 233

 233, 71, 205

 233, 255, 237

 233, 48, 201

 233, 255, 241

 233, 24, 197

 233, 255, 245

 233, 1, 193

 233, 255, 249

 233, 0, 192

 233, 255, 253

 233, 255, 255

# Harmonies

## Analogous

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



193, 176, 247



233, 164, 221



254, 158, 186

# Triad

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



233, 164, 221



208, 184, 113



41, 204, 222

# Complementary

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



233, 164, 221



164, 233, 176

# 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.



80, 205, 187



233, 164, 221



170, 195, 123

# Square

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



233, 164, 221



238, 172, 124



127, 202, 150



76, 199, 248

# Rectangle

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



233, 164, 221



255, 159, 161



127, 202, 150



49, 205, 211



# Sweetspot

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



233, 164, 221



255, 232, 251



175, 164, 233



128, 113, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



233, 164, 221



255, 163, 239



233, 164, 187



117, 106, 115



181, 0, 150



54, 0, 44



# Inverse Universe

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



233, 164, 221



255, 163, 239



164, 233, 210



117, 106, 115



181, 0, 150



54, 0, 44



# Previews

## White Background



This preview shows how the RGB color 233, 164, 221 looks on a white background.

## Color Contrast Check

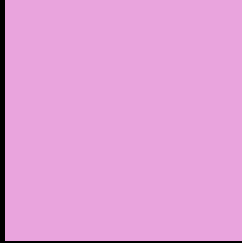
Large Text (above 18pt) WCAG AA × Fail

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 233, 164, 221 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 233, 164, 221 Background



This preview shows how black text looks on a background with the RGB color 233, 164, 221.



This preview shows how white text looks on a background with the RGB color 233, 164, 221.

# 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, 164, 221

**Protanopia**  
174, 184, 235

**Deuteranopia**  
189, 182, 218



**Tritanopia**  
228, 171, 184

# Trichromacy



**Original Color**  
233, 164, 221



**Protanomaly**  
195, 177, 230



**Deuteranomaly**  
205, 175, 219

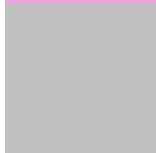


**Tritanomaly**  
230, 168, 197

# Monochromacy



**Original Color**  
233, 164, 221



**Achromatopsia**  
191, 191, 191



**Achromatomaly**  
206, 181, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 233, 164, 221 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, 164, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 164, 221)  
}
```

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, 164, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 164, 221) }
```

## Border

The CSS property to change the border of an element to RGB 233, 164, 221 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, 164, 221) }
```

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

```
.border{ border-color:rgb(233, 164, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 164, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 164, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 164, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 164,  
221) }
```

# Background

The CSS property to change the background color of an element to RGB 233, 164, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 164, 221) }
```

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

```
.background{ background-color: rgb(233,  
164, 221) }
```

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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