

# Converting Colors

RGB(227, 68, 213)

Have a look what the booklet for  
RGB(227, 68, 213) contains.

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# Color

**RGB(227, 68, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E344D5
RGB	227, 68, 213
RGB Percent	89%, 27%, 84%
CMY	0.1098, 0.7333, 0.1647
CMYK	0.00, 0.70, 0.06, 0.11
HSL	305°, 74%, 58%
HSV	305°, 70%, 89%
XYZ	45.7559, 25.2692, 65.4166
YIQ	132.0710, 48.2190, 78.8030

# Conversions

## Conversions Part 2

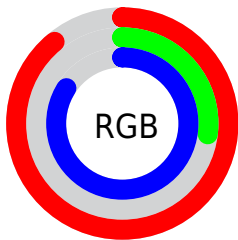
Format	Color
R <sub>YB</sub>	227, 68, 213
Decimal	14894293
CIE <sub>Lab</sub>	57.34, 75.76, -42.32
CIE <sub>LCh</sub>	57, 86.779, 330.813
Yxy	25.2692, 0.3354, 0.1852
Android (android.graphics.Color)	4293084373 (0xFFE344D5)
YUV	132.0710, 39.8980, 83.2527
Hunter-Lab	50.2685, 74.5062, -41.9687

# Details

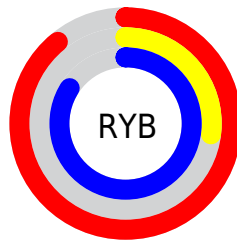
The RGB color **227, 68, 213** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **68, 227, 82**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **255, 129, 255**, and **168, 0, 158** is the 20% darker color. If you saturate the color by 10%, you get **227, 45, 211**, and if you desaturate by 10%, it is **227, 91, 215**.

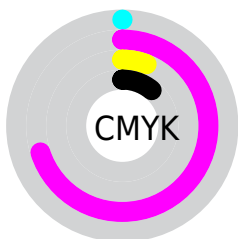
# Distribution



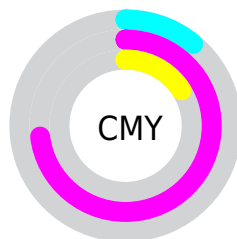
- Red (89%)
- Green (27%)
- Blue (84%)



- Red (89%)
- Yellow (27%)
- Blue (84%)



- Cyan (0%)
- Magenta (70%)
- Yellow (6%)
- Black (11%)



- Cyan (11%)
- Magenta (73%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 227, 68, 213 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 227, 68, 213 by changing the saturation by 10% instead.





227, 68, 213



227, 68, 213

255, 255, 255



197, 29, 185



255, 129, 255



168, 0, 158



255, 158, 255



139, 0, 131



255, 188, 255



110, 0, 105



255, 218, 255



82, 0, 81



255, 248, 255



56, 0, 57



24, 0, 34



0, 0, 8



0, 0, 0

■ 227, 68, 213

■ 227, 68, 213

■ 227, 45, 211

■ 227, 91, 215

■ 227, 23, 209

■ 227, 113, 217

■ 227, 0, 207

■ 227, 136, 219

■ 227, 159, 221

■ 227, 181, 223

■ 227, 204, 225

■ 227, 227, 227

■ 227, 250, 229

■ 227, 255, 231

# Harmonies

## Analogous

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



128, 116, 255



227, 68, 213



255, 11, 139

# Triad

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



227, 68, 213



165, 136, 0



0, 169, 214

# Complementary

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



227, 68, 213



68, 227, 82

# 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, 169, 138



227, 68, 213



87, 155, 0

# Square

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



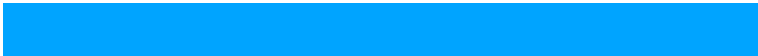
227, 68, 213



223, 103, 0



0, 165, 56



0, 164, 255

# Rectangle

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



227, 68, 213



255, 35, 89



0, 165, 56



0, 170, 190



# Sweetspot

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



227, 68, 213



255, 201, 250



81, 68, 227



128, 96, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



227, 68, 213



255, 41, 236



227, 68, 134



115, 103, 114



179, 0, 163



51, 0, 47



# Inverse Universe

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



227, 68, 213



255, 41, 236



68, 227, 161



115, 103, 114



179, 0, 163



51, 0, 47



# Previews

## White Background



This preview shows how the RGB color 227, 68, 213 looks on a white background.

## Color Contrast Check

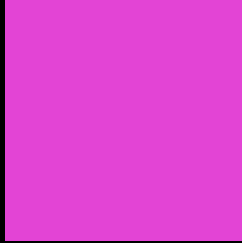
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 227, 68, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

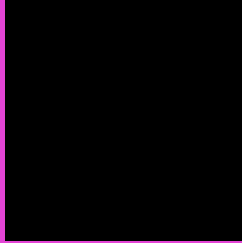
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 227, 68, 213 Background



This preview shows how black text looks on a background with the RGB color 227, 68, 213.

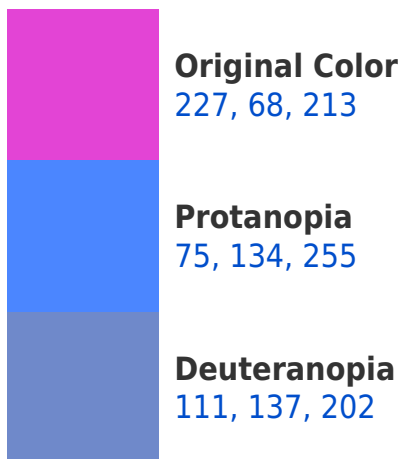



This preview shows how white text looks on a background with the RGB color 227, 68, 213.

# 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**  
216, 102, 109

# Trichromacy



**Original Color**

227, 68, 213



**Protanomaly**

130, 110, 240



**Deuteranomaly**

153, 112, 206



**Tritanomaly**

220, 90, 147

# Monochromacy



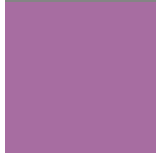
**Original Color**

227, 68, 213



**Achromatopsia**

132, 132, 132



**Achromatomaly**

167, 109, 161

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 227, 68, 213 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(227, 68, 213)` looks like.

```
.text, #text, p{  
    color:rgb(227, 68, 213)  
}
```

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(227, 68, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 68, 213) }
```

## Border

The CSS property to change the border of an element to RGB 227, 68, 213 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(227, 68, 213) }
```

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

```
.border{ border-color:rgb(227, 68, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 68, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 68, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 68, 213); box-shadow:4px 4px 4px 4px rgb(227, 68, 213) }
```

# Background

The CSS property to change the background color of an element to RGB 227, 68, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 68, 213) }
```

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

```
.background{ background-color: rgb(227, 68,  
213) }
```

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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