

# Converting Colors

RGB(227, 52, 224)

Have a look what the booklet for  
RGB(227, 52, 224) contains.

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# Color

**RGB(227, 52, 224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E334E0
RGB	227, 52, 224
RGB Percent	89%, 20%, 88%
CMY	0.1098, 0.7961, 0.1216
CMYK	0.00, 0.77, 0.01, 0.11
HSL	301°, 76%, 55%
HSV	301°, 77%, 89%
XYZ	46.3611, 24.1687, 72.7425
YIQ	123.9330, 49.0880, 90.5920

# Conversions

## Conversions Part 2

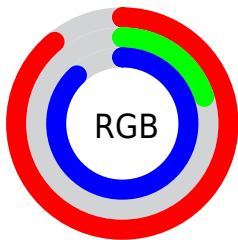
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 52, 224
Decimal	14890208
CIE Lab	56.26, 82.14, -50.26
CIE LCh	56, 96.295, 328.538
Yxy	24.1687, 0.3236, 0.1687
Android (android.graphics.Color)	4293080288 (0xFFE334E0)
YUV	123.9330, 49.3330, 90.3898
Hunter-Lab	49.1617, 82.2985, -53.3159

# Details

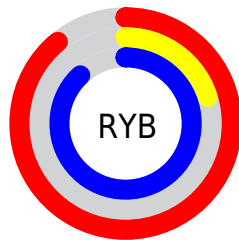
The RGB color **227, 52, 224** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **52, 227, 55**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 118, 255**, and **167, 0, 168** is the 20% darker color. If you saturate the color by 10%, you get **227, 29, 224**, and if you desaturate by 10%, it is **227, 75, 224**.

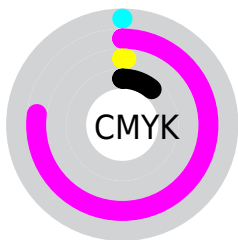
# Distribution



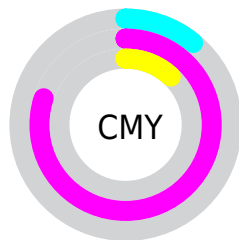
- Red (89%)
- Green (20%)
- Blue (88%)



- Red (89%)
- Yellow (20%)
- Blue (88%)



- Cyan (0%)
- Magenta (77%)
- Yellow (1%)
- Black (11%)



















- Cyan (11%)
- Magenta (80%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 227, 52, 224 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, 52, 224 by changing the saturation by 10% instead.



 227, 52, 224	 227, 52, 224
255, 255, 255	 197, 0, 196
 255, 118, 255	 167, 0, 168
 255, 148, 255	 138, 0, 141
 255, 178, 255	 109, 0, 115
 255, 208, 255	 80, 0, 90
 255, 238, 255	 53, 0, 65
	 21, 0, 42
	 0, 1, 20
	 0, 0, 0

■ 227, 52, 224

■ 227, 52, 224

■ 227, 29, 224

■ 227, 75, 224

■ 227, 7, 223

■ 227, 97, 225

■ 227, 0, 223

■ 227, 120, 225

■ 227, 143, 226

■ 227, 165, 226

■ 227, 188, 226

■ 227, 211, 227

■ 227, 234, 227

■ 227, 255, 228

# Harmonies

## Analogous

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



102, 114, 255



227, 52, 224



255, 0, 143

# Triad

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



227, 52, 224



168, 131, 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, 52, 224



52, 227, 55

# 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, 168, 128



227, 52, 224



82, 152, 0

# Square

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



227, 52, 224



230, 91, 0



0, 163, 33



0, 164, 255

# Rectangle

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



227, 52, 224



255, 0, 88



0, 163, 33



0, 169, 186



# Sweetspot

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



227, 52, 224



255, 196, 254



55, 52, 227



128, 92, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



227, 52, 224



255, 18, 251



227, 52, 137



115, 103, 115



179, 0, 175



51, 0, 50



# Inverse Universe

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



227, 52, 224



255, 18, 251



52, 227, 142



115, 103, 115



179, 0, 175

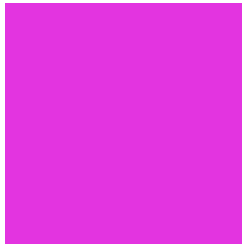


51, 0, 50



# Previews

## White Background



This preview shows how the RGB color 227, 52, 224 looks on a white background.

## Color Contrast Check

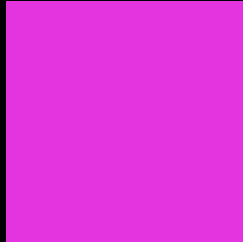
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52, 224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

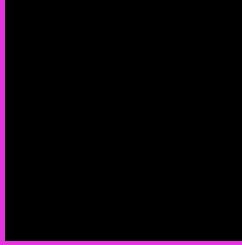
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RGB 227, 52, 224 Background



This preview shows how black text looks on a background with the RGB color 227, 52, 224.

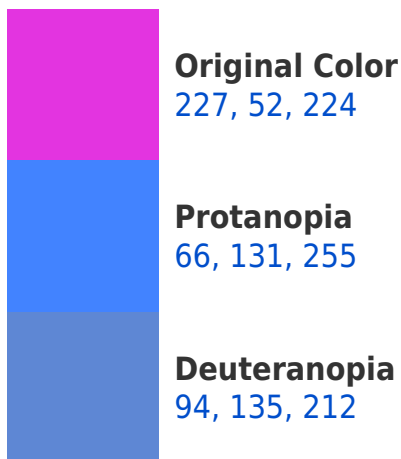


This preview shows how white text looks on a background with the RGB color 227, 52, 224.

# 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**  
214, 98, 105

# Trichromacy



**Original Color**

227, 52, 224



**Protanomaly**

125, 102, 244



**Deuteranomaly**

142, 105, 216



**Tritanomaly**

219, 81, 148

# Monochromacy



**Original Color**

227, 52, 224



**Achromatopsia**

124, 124, 124



**Achromatomaly**

161, 98, 160

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 227, 52, 224 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, 52, 224)` looks like.

```
.text, #text, p{  
  color:rgb(227, 52, 224)  
}
```

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, 52, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 52, 224) }
```

## Border

The CSS property to change the border of an element to RGB 227, 52, 224 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, 52, 224) }
```

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

```
.border{ border-color:rgb(227, 52, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 52, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 52, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 52, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 52,  
224) }
```

# Background

The CSS property to change the background color of an element to RGB 227, 52, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 52, 224) }
```

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

```
.background{ background-color: rgb(227, 52,  
224) }
```

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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