

Converting Colors

RGB(228, 70, 221)

Have a look what the booklet for
RGB(228, 70, 221) contains.

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Color

RGB(228, 70, 221)

Conversions

Conversions Part 1

Format	Color
Hex	E446DD
RGB	228, 70, 221
RGB Percent	89%, 27%, 87%
CMY	0.1059, 0.7255, 0.1333
CMYK	0.00, 0.69, 0.03, 0.11
HSL	303°, 75%, 58%
HSV	303°, 69%, 89%
XYZ	47.2362, 26.0948, 70.9538
YIQ	134.4560, 45.6970, 80.4570

Conversions

Conversions Part 2

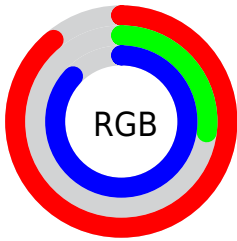
Format	Color
R _{YB}	228, 70, 221
Decimal	14960349
CIE _{Lab}	58.13, 76.54, -45.59
CIE _{LCh}	58, 89.086, 329.220
Yxy	26.0948, 0.3274, 0.1809
Android (android.graphics.Color)	4293150429 (0xFFE446DD)
YUV	134.4560, 42.6662, 82.0381
Hunter-Lab	51.0830, 75.6627, -46.5951

Details

The RGB color **228, 70, 221** 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 **70, 228, 77**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **255, 131, 255**, and **169, 0, 165** is the 20% darker color. If you saturate the color by 10%, you get **228, 47, 220**, and if you desaturate by 10%, it is **228, 93, 222**.

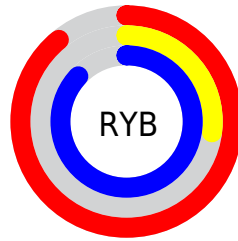
Distribution



Red (89%)

Green (27%)

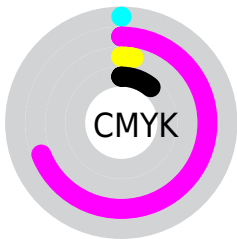
Blue (87%)



Red (89%)

Yellow (27%)

Blue (87%)

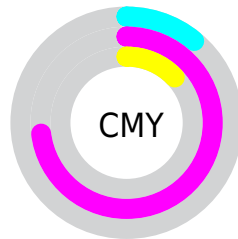


Cyan (0%)

Magenta (69%)

Yellow (3%)

Black (11%)



Cyan (11%)

Magenta (73%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 70, 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 228, 70, 221 by changing the saturation by 10% instead.



228, 70, 221



228, 70, 221

255, 255, 255



198, 32, 193



255, 131, 255



169, 0, 165



255, 160, 255



140, 0, 138



255, 190, 255



111, 0, 112



255, 219, 255



83, 0, 87



255, 250, 255



57, 0, 63



26, 0, 40



0, 1, 17



0, 0, 0

■ 228, 70, 221

■ 228, 70, 221

■ 228, 47, 220

■ 228, 93, 222

■ 228, 24, 219

■ 228, 116, 223

■ 228, 2, 218

■ 228, 138, 224

■ 228, 0, 218

■ 228, 161, 225

■ 228, 184, 226

■ 228, 207, 227

■ 228, 230, 228

■ 228, 252, 229

■ 228, 255, 230

Harmonies

Analogous

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



120, 120, 255



228, 70, 221



255, 0, 145

Triad

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



228, 70, 221



171, 136, 0



0, 172, 214

Complementary

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



228, 70, 221



70, 228, 77

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, 172, 135



228, 70, 221



93, 157, 0

Square

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



228, 70, 221



230, 102, 0



0, 167, 51



0, 167, 255

Rectangle

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



228, 70, 221



255, 26, 94



0, 167, 51



0, 173, 189

Sweetspot

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



228, 70, 221



255, 201, 253



75, 70, 228



128, 96, 126



0, 0, 0



128, 128, 128

Same Dimension

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



228, 70, 221



255, 43, 246



228, 70, 144



115, 103, 114



179, 0, 171



51, 0, 49

Inverse Universe

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



228, 70, 221



255, 43, 246



70, 228, 154



115, 103, 114



179, 0, 171



51, 0, 49

Previews

White Background



This preview shows how the RGB color 228, 70, 221 looks on a white background.

Color Contrast Check

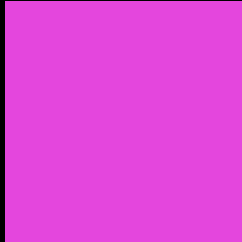
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 70, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

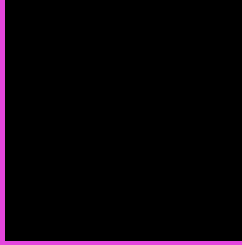
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 228, 70, 221 Background



This preview shows how black text looks on a background with the RGB color 228, 70, 221.

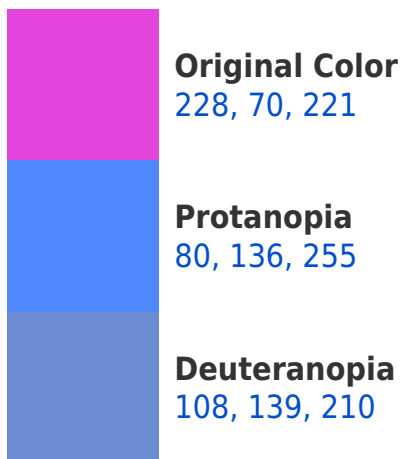



This preview shows how white text looks on a background with the RGB color 228, 70, 221.

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





Tritanopia
216, 105, 113

Trichromacy



Original Color

228, 70, 221



Protanomaly

134, 112, 243



Deuteranomaly

152, 114, 214



Tritanomaly

220, 92, 152

Monochromacy



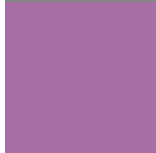
Original Color

228, 70, 221



Achromatopsia

134, 134, 134



Achromatomaly

168, 111, 166

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 70, 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(228, 70, 221)` looks like.

```
.text, #text, p{  
    color:rgb(228, 70, 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(228, 70, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 70, 221) }
```

Border

The CSS property to change the border of an element to RGB 228, 70, 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(228, 70, 221) }
```

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

```
.border{ border-color:rgb(228, 70, 221) }
```

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

Here you see how a box with a 4 pixel rgb(228, 70, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 70, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 70, 221);  
box-shadow:4px 4px 4px 4px rgb(228, 70,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 228, 70, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 70, 221) }
```

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

```
.background{ background-color: rgb(228, 70,  
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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