

# Converting Colors

XYZ(48.2389, 29.2869, 72.2177)

Have a look what the booklet for  
XYZ(48.2389, 29.2869, 72.2177)  
contains.

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# Color

**XYZ(48.2389, 29.2869,  
72.2177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E15EDE
RGB	225, 94, 222
RGB Percent	88%, 37%, 87%
CMY	0.1176, 0.6313, 0.1294
CMYK	0.00, 0.58, 0.01, 0.12
HSL	301°, 69%, 63%
HSV	301°, 58%, 88%
XYZ	48.2389, 29.2869, 72.2177
YIQ	147.7610, 36.9880, 67.5800

# Conversions

## Conversions Part 2

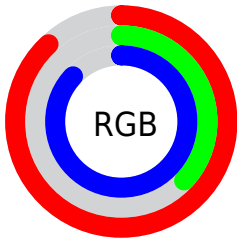
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	225, 94, 222
Decimal	14769886
CIE <sub>Lab</sub>	61.03, 66.79, -41.60
CIE <sub>LCh</sub>	61, 78.685, 328.082
Yxy	29.2869, 0.3221, 0.1956
Android (android.graphics.Color)	4292959966 (0xFFE15EDE)
YUV	147.7610, 36.5998, 67.7386
Hunter-Lab	54.1174, 64.4051, -41.2382

# Details

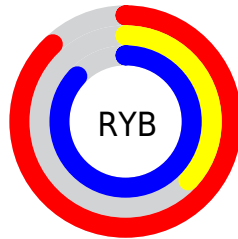
The XYZ color **48.2389, 29.2869, 72.2177** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **33.7003, 57.0945, 20.5551**, and the grayscale version is **27.8918, 29.3444, 31.9560**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **23.2836, 11.8972, 37.1456** is the 20% darker color. If you saturate the color by 10%, you get **46.4533, 25.8252, 71.2824**, and if you desaturate by 10%, it is **50.6098, 33.9172, 73.3497**.

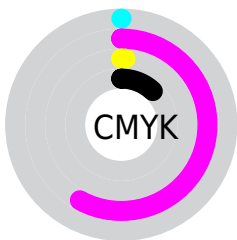
# Distribution



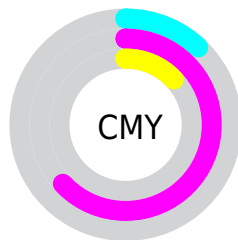
- Red (88%)
- Green (37%)
- Blue (87%)



- Red (88%)
- Yellow (37%)
- Blue (87%)



- Cyan (0%)
- Magenta (58%)
- Yellow (1%)
- Black (12%)




- Cyan (12%)
- Magenta (63%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2389, 29.2869, 72.2177 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 XYZ color 48.2389, 29.2869, 72.2177 by changing the saturation by 10% instead.





 48.2389, 29.2869,  
72.2177


 48.2389, 29.2869,  
72.2177

370.3051,  
298.5662, 487.2969


 34.2282, 19.2980,  
52.8486


 86.7675, 58.5326,  
124.0766

 23.2326, 11.8858,  
37.2950


 112.0161, 78.5582,  
157.4035

 14.8870, 6.6659,  
25.1384


 141.7414,  
102.6980, 196.2200

 8.8259, 3.2541,  
15.9603

 176.3087,  
131.3367, 240.9448

 4.6840, 1.2658,  
9.3420

216.0834,  
164.8584, 291.9963

 2.0959, 0.1145,  
4.8651

261.4307,

 0.6870, 0.0000,

203.6476, 349.7932

2.1110

312.7162,  
248.0888, 414.7538

■ 0.0000, 0.0000,  
0.6223

■ 0.0000, 0.0000,  
0.0000

■ 48.2389, 29.2869,  
72.2177

■ 48.2389, 29.2869,  
72.2177

■ 46.4533, 25.8252,  
71.2824

■ 50.6098, 33.9172,  
73.3497

■ 45.1975, 23.4237,  
70.5245


■ 53.6089, 39.8043,  
74.6918


■ 44.4110, 21.9606,  
69.9240


■ 57.2786, 47.0322,  
76.2585


■ 44.0055, 21.2588,  
69.4516


■ 61.6567, 55.6767,  
78.0624


 43.9498, 21.1670,  
69.3731

 66.7784, 65.8081,  
80.1152

 72.6764, 77.4916,  
82.4279

 79.3815, 90.7889,  
85.0105

 80.5564, 93.0256,  
85.7509

 80.6273, 93.0540,  
86.1243

# Harmonies

## Analogous

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



38.2298, 29.2869, 112.5806



48.2389, 29.2869, 72.2177



52.6686, 29.2869, 33.8228

# Triad

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



48.2389, 29.2869, 72.2177



28.5038, 29.2869, 2.1642



13.7727, 29.2869, 66.6998

# Complementary

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



48.2389, 29.2869, 72.2177



33.7003, 57.0945, 20.5551

# 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.



12.3726, 29.2869, 30.0293



48.2389, 29.2869, 72.2177



19.5212, 29.2869, 3.4678

# Square

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



48.2389, 29.2869, 72.2177



39.6645, 29.2869, 3.9180



14.1911, 29.2869, 10.3298



18.6298, 29.2869, 108.2405



# Rectangle

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



48.2389, 29.2869, 72.2177



51.2042, 29.2869, 17.3338



14.1911, 29.2869, 10.3298



12.9439, 29.2869, 52.9125

# Sweetspot

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



48.2400, 29.2882, 72.2183



82.5866, 75.3284, 103.9588



22.4379, 15.9399, 73.1294



17.4037, 15.5834, 22.1405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



48.2400, 29.2882, 72.2183



61.2575, 33.4575, 94.4223



41.1683, 26.4596, 34.9793



14.2808, 13.9299, 17.2487



25.3318, 12.1997, 40.0087



1.7602, 0.8474, 2.7962



# Inverse Universe

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



48.2400, 29.2882, 72.2183



61.2575, 33.4575, 94.4223



38.0361, 58.8288, 43.3871



14.2808, 13.9299, 17.2487



25.3318, 12.1997, 40.0087



1.7602, 0.8474, 2.7962



# Previews

## White Background



This preview shows how the XYZ color 48.2389, 29.2869, 72.2177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

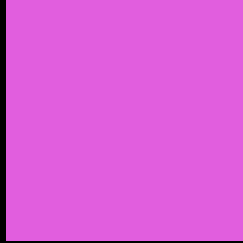
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2389, 29.2869, 72.2177 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](#).

**XYZ 48.2389, 29.2869, 72.2177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2389, 29.2869, 72.2177.



This preview shows how white text looks on a background with the XYZ color 48.2389, 29.2869,



# 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

48.2389, 29.2869, 72.2177

### Protanopia

33.0603, 29.7632, 98.6101

### Deuteranopia

30.3152, 29.4994, 67.0470



## Tritanopia

38.2247, 29.0483, 24.0143

# Trichromacy



## Original Color

48.2389, 29.2869, 72.2177



## Protanomaly

35.1401, 27.3221, 88.2156



## Deuteranomaly

34.2821, 27.5075, 68.4684



## Tritanomaly

41.0110, 28.6659, 37.5540

# Monochromacy



## Original Color

48.2389, 29.2869, 72.2177



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

33.3615, 27.7636, 44.1580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2389, 29.2869, 72.2177 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(225, 94, 222)` looks like.

```
.text, #text, p{  
  color:rgb(225, 94, 222)  
}
```

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(225, 94, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 94, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2389, 29.2869, 72.2177 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(225, 94, 222) }
```



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

```
.border{ border-color:rgb(225, 94, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 94, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 94, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 94, 222);  
box-shadow:4px 4px 4px 4px rgb(225, 94,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2389, 29.2869, 72.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 94, 222) }
```

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

```
.background{ background-color: rgb(225, 94,  
222) }
```

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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