

Converting Colors

XYZ(48.6773, 29.2481, 71.6369)

Have a look what the booklet for
XYZ(48.6773, 29.2481, 71.6369)
contains.

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Color

**XYZ(48.5568, 29.2056,
71.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	E35CDD
RGB	227, 92, 221
RGB Percent	89%, 36%, 87%
CMY	0.1098, 0.6392, 0.1333
CMYK	0.00, 0.59, 0.03, 0.11
HSL	303°, 71%, 63%
HSV	303°, 59%, 89%
XYZ	48.5568, 29.2056, 71.4846
YIQ	147.0710, 39.0510, 68.7390

Conversions

Conversions Part 2

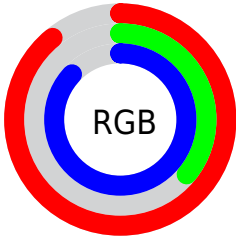
Format	Color
R _{YB}	227, 92, 221
Decimal	14900445
CIE _{Lab}	60.96, 67.97, -41.13
CIE _{LCh}	61, 79.447, 328.820
Y _{xy}	29.2056, 0.3253, 0.1957
Android (android.graphics.Color)	4293090525 (0xFFE35CDD)
Y _{UV}	147.0710, 36.4470, 70.0977
Hunter-Lab	54.0422, 65.8080, -40.5966

Details

The XYZ color **48.5568, 29.2056, 71.4846** 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 **34.0886, 58.0965, 20.9741**, and the grayscale version is **27.6065, 29.0442, 31.6291**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **23.3094, 11.7802, 36.6426** is the 20% darker color. If you saturate the color by 10%, you get **46.7431, 25.7919, 70.2189**, and if you desaturate by 10%, it is **50.9623, 33.8001, 72.9520**.

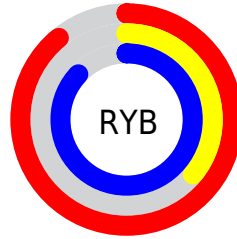
Distribution



Red (89%)

Green (36%)

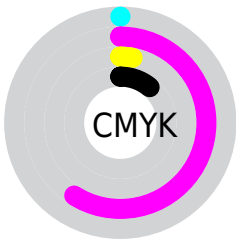
Blue (87%)



Red (89%)

Yellow (36%)

Blue (87%)

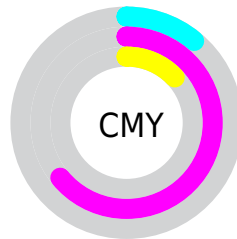


Cyan (0%)

Magenta (59%)

Yellow (3%)

Black (11%)



Cyan (11%)


Magenta (64%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5568, 29.2056, 71.4846 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 48.5568, 29.2056, 71.4846 by changing the saturation by 10% instead.

 48.5568, 29.2056,
71.4846


 48.5568, 29.2056,
71.4846

371.5409,
298.1838, 484.6749


 34.4811, 19.2364,
52.2535


 87.2375, 58.4036,
123.0244


 23.4281, 11.8412,
36.8235


 112.5733, 78.4012,
156.1701

 15.0324, 6.6357,
24.7762


 142.3931,
102.5103, 194.7912

 8.9286, 3.2353,
15.6929

 177.0624,
131.1155, 239.3061

 4.7513, 1.2558,
9.1551

216.9465,
164.6010, 290.1334

 2.1354, 0.1066,
4.7443

262.4107,

 0.7083, 0.0000,

203.3513, 347.6916

2.0419

313.8203,
247.7508, 412.3993

■ 0.0000, 0.0000,
0.5809

■ 0.0000, 0.0000,
0.0000

■ 48.5568, 29.2056,
71.4846

■ 48.5568, 29.2056,
71.4846

■ 46.7431, 25.7919,
70.2189

■ 50.9623, 33.8001,
72.9520

■ 45.4637, 23.4463,
69.1351


■ 54.0043, 39.6669,
74.6353


■ 44.6551, 22.0410,
68.2121


■ 57.7265, 46.8930,
76.5494

■ 44.2118, 21.3652,
67.4150


■ 62.1682, 55.5566,
78.7073


 44.1917, 21.3362,
67.3739

 67.3655, 65.7301,
81.1211

 73.3520, 77.4809,
83.8020

 80.1596, 90.8724,
86.7606

 81.5920, 93.5123,
87.9315

 81.7334, 93.5689,
88.6761

Harmonies

Analogous

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



38.5259, 29.2056, 112.6834



48.5568, 29.2056, 71.4846



52.8540, 29.2056, 32.9905

Triad

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



48.5568, 29.2056, 71.4846



28.1717, 29.2056, 2.0568



13.6954, 29.2056, 68.0458

Complementary

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



48.5568, 29.2056, 71.4846



34.0886, 58.0965, 20.9741

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.



12.2127, 29.2056, 30.6383



48.5568, 29.2056, 71.4846



19.2121, 29.2056, 3.4175

Square

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



48.5568, 29.2056, 71.4846



39.4176, 29.2056, 3.6903



13.9534, 29.2056, 10.4478



18.6609, 29.2056, 109.9720

Rectangle

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



48.5568, 29.2056, 71.4846



51.2392, 29.2056, 16.7036



13.9534, 29.2056, 10.4478



12.8374, 29.2056, 54.0142

Sweetspot

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



48.5578, 29.2069, 71.4852



81.7882, 73.9993, 102.8674



22.5703, 15.7158, 74.5178



17.1139, 15.0726, 21.8317



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.



48.5578, 29.2069, 71.4852



60.4665, 32.8633, 91.1132



41.4234, 26.3531, 33.9155



14.9660, 14.6036, 18.0213



25.7844, 12.4480, 39.3549



1.9140, 0.9233, 2.9536

Inverse Universe

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



48.5578, 29.2069, 71.4852



60.4665, 32.8633, 91.1132



38.5848, 59.8950, 44.6509



14.9660, 14.6036, 18.0213



25.7844, 12.4480, 39.3549



1.9140, 0.9233, 2.9536

Previews

White Background



This preview shows how the XYZ color 48.5568, 29.2056, 71.4846 looks on a white background.

Color Contrast Check

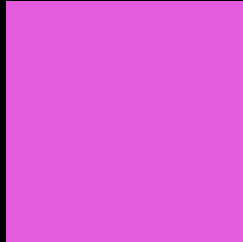
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5568, 29.2056, 71.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

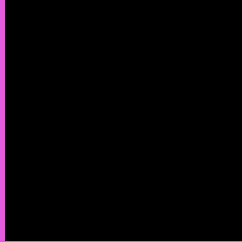
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.5568, 29.2056, 71.4846

Background



This preview shows how black text looks on a background with the XYZ color 48.5568, 29.2056, 71.4846.



This preview shows how white text looks on a background with the XYZ color 48.5568, 29.2056,

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

48.5568, 29.2056, 71.4846

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.1886, 29.4488, 66.3804



Tritanopia

38.5632, 29.0622, 23.3157

Trichromacy



Original Color

48.5568, 29.2056, 71.4846



Protanomaly

35.1883, 27.1580, 88.1814



Deuteranomaly

34.2238, 27.3016, 67.7559



Tritanomaly

41.4169, 28.7261, 37.0800

Monochromacy



Original Color

48.5568, 29.2056, 71.4846



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.1338, 27.4648, 43.5993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5568, 29.2056, 71.4846 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, 92, 221)` looks like.

```
.text, #text, p{  
    color:rgb(227, 92, 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(227, 92, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 92, 221) }
```

Border

The CSS property to change the border of an element to XYZ 48.5568, 29.2056, 71.4846 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, 92, 221) }
```


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

```
.border{ border-color:rgb(227, 92, 221) }
```

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

Here you see how a box with a 4 pixel rgb(227, 92, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 92, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 92, 221);  
box-shadow:4px 4px 4px 4px rgb(227, 92,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5568, 29.2056, 71.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 92, 221) }
```

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

```
.background{ background-color: rgb(227, 92,  
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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