

# Converting Colors

XYZ(46.4231, 26.9411, 69.0210)

Have a look what the booklet for  
XYZ(46.4231, 26.9411, 69.0210)  
contains.

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# Color

**XYZ(46.4127, 26.9438,  
69.0841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E052DA
RGB	224, 82, 218
RGB Percent	88%, 32%, 85%
CMY	0.1216, 0.6784, 0.1451
CMYK	0.00, 0.63, 0.03, 0.12
HSL	303°, 70%, 60%
HSV	303°, 63%, 88%
XYZ	46.4127, 26.9438, 69.0841
YIQ	139.9620, 40.9760, 72.4000

# Conversions

## Conversions Part 2

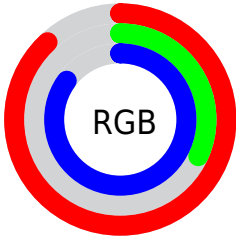
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 82, 218
Decimal	14701274
CIE <sub>Lab</sub>	58.92, 70.79, -42.68
CIE <sub>LCh</sub>	59, 82.664, 328.914
Y <sub>xy</sub>	26.9438, 0.3258, 0.1892
Android (android.graphics.Color)	4292891354 (0xFFE052DA)
YUV	139.9620, 38.4727, 73.7013
Hunter-Lab	51.9074, 68.7667, -42.5745

# Details

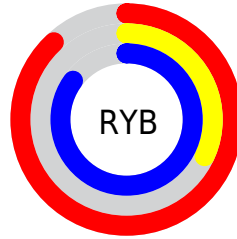
The XYZ color **46.4127, 26.9438, 69.0841** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.8981, 55.8110, 18.3255**, and the grayscale version is **24.7580, 26.0473, 28.3655**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **22.0386, 10.6080, 35.0684** is the 20% darker color. If you saturate the color by 10%, you get **44.8677, 24.0507, 67.9598**, and if you desaturate by 10%, it is **48.5115, 30.9419, 70.3969**.

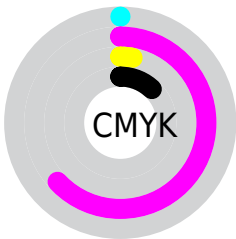
# Distribution



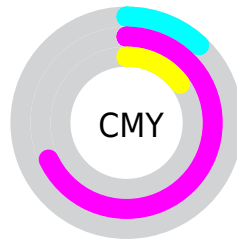
- Red (88%)
- Green (32%)
- Blue (85%)



- Red (88%)
- Yellow (32%)
- Blue (85%)



- Cyan (0%)
- Magenta (63%)
- Yellow (3%)
- Black (12%)




- Cyan (12%)
- Magenta (68%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4127, 26.9438, 69.0841 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 46.4127, 26.9438, 69.0841 by changing the saturation by 10% instead.





 46.4127, 26.9438,  
69.0841


 46.4127, 26.9438,  
69.0841

363.1536,  
287.3849, 476.0295


 32.7776, 17.5310,  
50.3080


 84.0604, 54.7937,  
119.5705


 22.1146, 10.6138,  
35.2853


 108.8037, 73.9996,  
152.1179

 14.0582, 5.8078,  
23.5974


 137.9805, 97.2386,  
190.0929

 8.2431, 2.7286,  
14.8258

 171.9560,  
124.8952, 233.9139

 4.3040, 0.9917,  
8.5520

211.0958,  
157.3537, 283.9995

 1.8755, 0.0000,  
4.3573

255.7650,

 0.5625, 0.0000,

194.9986, 340.7683

1.8233

306.3292,  
238.2142, 404.6388

■ 0.0000, 0.0000,  
0.4433

■ 0.0000, 0.0000,  
0.0000

■ 46.4127, 26.9438,  
69.0841

■ 46.4127, 26.9438,  
69.0841

■ 44.8677, 24.0507,  
67.9598

■ 48.5115, 30.9419,  
70.3969

■ 43.8175, 22.1469,  
67.0037


■ 51.2096, 36.1380,  
71.9128


■ 43.1954, 21.0983,  
66.1938


■ 54.5510, 42.6198,  
73.6466


■ 42.9470, 20.7300,  
65.7147


■ 58.5751, 50.4657,  
75.6115

 63.3177, 59.7476,  
77.8194

 68.8125, 70.5326,  
80.2815

 75.0909, 82.8837,  
83.0084

 80.1701, 92.8352,  
85.3390

 80.3000, 92.8872,  
86.0235

# Harmonies

## Analogous

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



36.3430, 26.9438, 111.4112



46.4127, 26.9438, 69.0841



50.7330, 26.9438, 30.4177

# Triad

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



46.4127, 26.9438, 69.0841



25.9838, 26.9438, 1.3708



11.9639, 26.9438, 65.8630

# Complementary

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



46.4127, 26.9438, 69.0841



31.8981, 55.8110, 18.3255

# 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.



10.5498, 26.9438, 28.2827



46.4127, 26.9438, 69.0841



17.2291, 26.9438, 2.4963

# Square

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



46.4127, 26.9438, 69.0841



37.1644, 26.9438, 2.7085



12.1897, 26.9438, 8.8073



16.7382, 26.9438, 108.8330



# Rectangle

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



46.4127, 26.9438, 69.0841



49.0819, 26.9438, 14.6058



12.1897, 26.9438, 8.8073



11.1466, 26.9438, 51.6427

# Sweetspot

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



46.4137, 26.9450, 69.0846



81.1660, 72.7567, 102.6543



20.3787, 13.4311, 72.0406



16.9939, 14.8318, 21.7941



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.



46.4137, 26.9450, 69.0846



59.6785, 31.3225, 90.7420



39.1255, 24.0298, 30.7055



14.2687, 13.9251, 17.1851



25.0091, 12.0706, 38.3090



1.7414, 0.8398, 2.6969



# Inverse Universe

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



46.4137, 26.9450, 69.0846



59.6785, 31.3225, 90.7420



36.2852, 57.5659, 41.4281



14.2687, 13.9251, 17.1851



25.0091, 12.0706, 38.3090



1.7414, 0.8398, 2.6969



# Previews

## White Background



This preview shows how the XYZ color 46.4127, 26.9438, 69.0841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

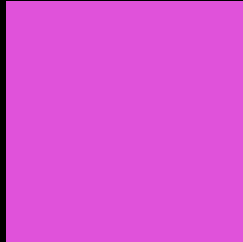
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4127, 26.9438, 69.0841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

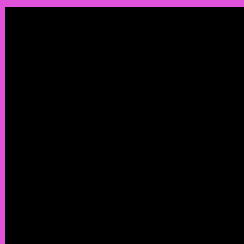
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.4127, 26.9438, 69.0841**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4127, 26.9438, 69.0841.



This preview shows how white text looks on a background with the XYZ color 46.4127, 26.9438,



# 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

46.4127, 26.9438, 69.0841

### Protanopia

30.9762, 27.3754, 98.2591

### Deuteranopia

27.8495, 27.1812, 63.4532



## Tritanopia

36.4548, 26.8469, 20.7134

# Trichromacy



## Original Color

46.4127, 26.9438, 69.0841



## Protanomaly

32.6588, 24.6019, 87.0317



## Deuteranomaly

31.9266, 25.0564, 65.4410



## Tritanomaly

39.0888, 26.2326, 34.0135

# Monochromacy



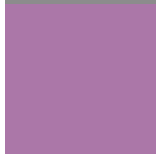
## Original Color

46.4127, 26.9438, 69.0841



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

30.4593, 24.6787, 40.2039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4127, 26.9438, 69.0841 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(224, 82, 218)` looks like.

```
.text, #text, p{  
    color:rgb(224, 82, 218)  
}
```

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(224, 82, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 82, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4127, 26.9438, 69.0841 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(224, 82, 218) }
```



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

```
.border{ border-color:rgb(224, 82, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 82, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 82, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 82, 218);  
box-shadow:4px 4px 4px 4px rgb(224, 82,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4127, 26.9438, 69.0841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 82, 218) }
```

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

```
.background{ background-color: rgb(224, 82,  
218) }
```

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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