Converting Colors

XYZ(46.4221, 26.9399, 69.0205)

Have a look what the booklet for XYZ(46.4221, 26.9399, 69.0205) 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

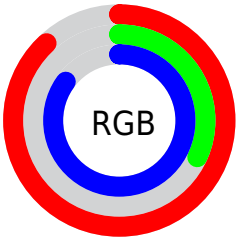
Format	Color
RYB	224, 82, 218
Decimal	14701274
CIELab	58.92, 70.79, -42.68
CIELCh	59, 82.664, 328.914
Yxy	26.9438, 0.3258, 0.1892
Android (android.graphics.Color)	4292891354 (0xFFE052DA)
YUV	139.9620, 38.4727, 73.7013
Hunter-Lab	51.9074, 68.7667, -42.5745

Details

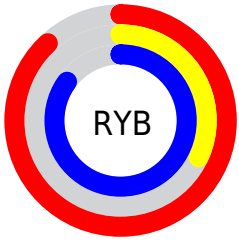
The XYZ color 46.4127, 26.9438, 69.0841 is a light color, and the websafe version is hex CC33CC. The color can be described as light muted magenta. A complement of this color would be 31.8981, 55.8110, 18.3255, and the grayscale version is 24.7580, 26.0473, 28.3655.

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

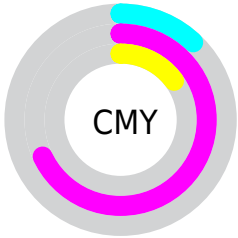


- Red (88%)
- Green (32%)
- Blue (85%)



- 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

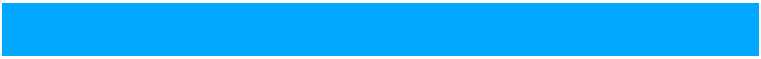
Square

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

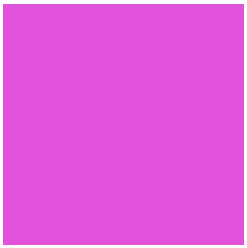
14.2687, 13.9251, 17.1851

25.0091, 12.0706, 38.3090

1.7414, 0.8398, 2.6969

Previews

White Background

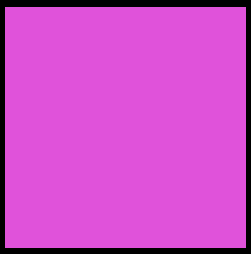


This preview shows how the XYZ color 46.4127, 26.9438, 69.0841 looks on a white background.

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



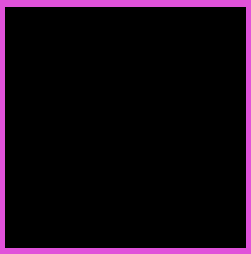
This preview shows how the XYZ color 46.4127, 26.9438, 69.0841 looks on a black background.

Color Contrast Check

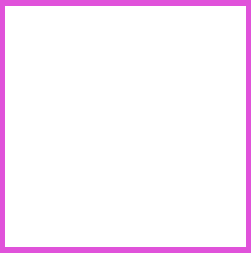
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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.



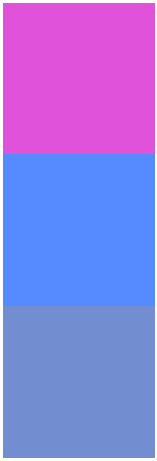
This preview shows how white text looks on a background with the XYZ color 46.4127, 26.9438,

69.0841.

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



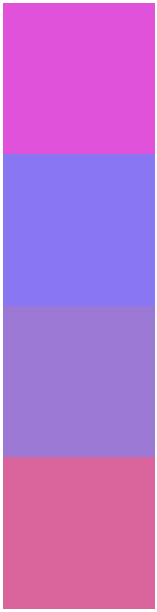
Original Color
46.4127, 26.9438, 69.0841

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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