

Converting Colors

XYZ(46.0380, 27.9661, 71.7614)

Have a look what the booklet for
XYZ(46.0380, 27.9661, 71.7614)
contains.

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Color

**XYZ(46.0126, 28.0081,
72.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5DDE
RGB	218, 93, 222
RGB Percent	85%, 36%, 87%
CMY	0.1451, 0.6353, 0.1294
CMYK	0.02, 0.58, 0.00, 0.13
HSL	298°, 66%, 62%
HSV	298°, 58%, 87%
XYZ	46.0126, 28.0081, 72.0882
YIQ	145.0810, 33.0910, 66.6190

Conversions

Conversions Part 2

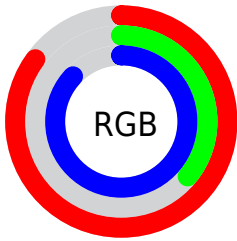
Format	Color
R _{YB}	218, 93, 222
Decimal	14310878
CIE Lab	59.90, 65.46, -43.46
CIE LCh	60, 78.573, 326.421
Yxy	28.0081, 0.3149, 0.1917
Android (android.graphics.Color)	4292500958 (0xFFDA5DDE)
YUV	145.0810, 37.9211, 63.9500
Hunter-Lab	52.9227, 62.5787, -43.7155

Details

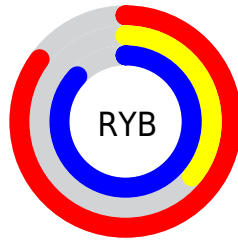
The XYZ color **46.0126, 28.0081, 72.0882** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **33.0278, 55.5749, 19.3436**, and the grayscale version is **26.7892, 28.1843, 30.6927**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **21.8701, 11.2067, 37.0868** is the 20% darker color. If you saturate the color by 10%, you get **44.1343, 24.5555, 71.5212**, and if you desaturate by 10%, it is **48.4593, 32.5945, 72.8449**.

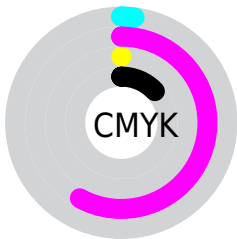
Distribution



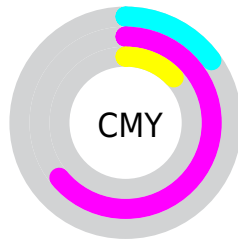
- Red (85%)
- Green (36%)
- Blue (87%)



- Red (85%)
- Yellow (36%)
- Blue (87%)



- Cyan (2%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)





- Cyan (15%)
- Magenta (64%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0126, 28.0081, 72.0882 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 46.0126, 28.0081, 72.0882 by changing the saturation by 10% instead.


 46.0126, 28.0081,
72.0882


 46.0126, 28.0081,
72.0882


361.5744,
292.5056, 486.8343

 32.4604, 18.3318,
52.7435


 83.4656, 56.4974,
123.8908

 21.8707, 11.1884,
37.2117


 108.0971, 76.0791,
157.1857

 13.8780, 6.1937,
25.0744


 137.1525, 99.7314,
195.9678

 8.1170, 2.9632,
15.9129

 170.9971,
127.8387, 240.6556

 4.2223, 1.1126,
9.3089

209.9962,
160.7854, 291.6676

 1.8287, 0.0000,
4.8436

254.5152,

 0.5349, 0.0000,

198.9558, 349.4223

2.0987

304.9195,
242.7344, 414.3384

■ 0.0000, 0.0000,
0.6150

■ 0.0000, 0.0000,
0.0000

■ 46.0126, 28.0081,
72.0882

■ 46.0126, 28.0081,
72.0882

■ 44.1343, 24.5555,
71.5212

■ 48.4593, 32.5945,
72.8449

■ 42.7707, 22.1321,
71.1253


■ 51.5156, 38.3997,
73.8043


■ 41.8635, 20.6201,
70.8813


■ 55.2228, 45.5052,
74.9804


■ 41.3279, 19.8500,
70.7608


■ 59.6172, 53.9842,
76.3854


 41.2439, 19.7389,
70.7438

 64.7330, 63.9044,
78.0306

 70.6017, 75.3292,
79.9265

 77.2531, 88.3182,
82.0831

 79.5329, 92.5627,
82.7822

 79.7461, 92.6725,
82.7921

Harmonies

Analogous

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



36.1005, 28.0081, 110.8908



46.0126, 28.0081, 72.0882



50.7211, 28.0081, 34.0560

Triad

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



46.0126, 28.0081, 72.0882



27.8365, 28.0081, 1.9622



12.8727, 28.0081, 62.0522

Complementary

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



46.0126, 28.0081, 72.0882



33.0278, 55.5749, 19.3436

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.



11.6990, 28.0081, 27.1933



46.0126, 28.0081, 72.0882



18.9655, 28.0081, 3.0123

Square

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



46.0126, 28.0081, 72.0882



38.7019, 28.0081, 3.8062



13.6247, 28.0081, 9.0857



17.3586, 28.0081, 102.9768

Rectangle

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



46.0126, 28.0081, 72.0882



49.5847, 28.0081, 17.4535



13.6247, 28.0081, 9.0857



12.1350, 28.0081, 48.8105

Sweetspot

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



46.0136, 28.0094, 72.0888



82.2534, 75.1382, 104.7756



22.0027, 16.2074, 71.0763



17.3240, 15.5379, 22.3360



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.



46.0136, 28.0094, 72.0888



59.9023, 32.6835, 97.7591



40.5433, 25.9611, 36.9648



14.2508, 13.9128, 17.3220



24.5163, 11.7339, 42.0211



1.7127, 0.8202, 2.9133

Inverse Universe

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



36.1972, 24.2226, 14.0781



45.3833, 27.1078, 10.8298



36.4028, 56.8769, 39.2849



13.7244, 13.7074, 14.3187



17.9231, 9.2362, 0.9948



1.2485, 0.6427, 0.1014

Previews

White Background



This preview shows how the XYZ color 46.0126, 28.0081, 72.0882 looks on a white background.

Color Contrast Check

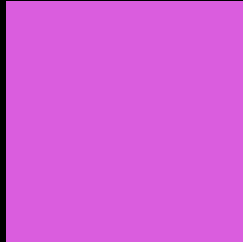
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0126, 28.0081, 72.0882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

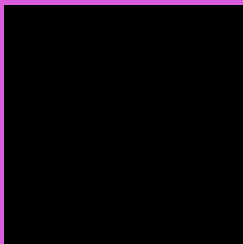
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.0126, 28.0081, 72.0882

Background



This preview shows how black text looks on a background with the XYZ color 46.0126, 28.0081, 72.0882.



This preview shows how white text looks on a background with the XYZ color 46.0126, 28.0081,

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

46.0126, 28.0081, 72.0882

Protanopia

31.9885, 28.5451, 98.4315

Deuteranopia

29.0537, 28.3955, 66.9004



Tritanopia

35.9467, 27.8740, 23.9077

Trichromacy



Original Color

46.0126, 28.0081, 72.0882



Protanomaly

33.8665, 26.2896, 88.0835



Deuteranomaly

32.6772, 26.3005, 68.3200



Tritanomaly

38.6759, 27.4621, 37.4447

Monochromacy



Original Color

46.0126, 28.0081, 72.0882



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

32.0169, 26.7095, 43.0031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0126, 28.0081, 72.0882 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(218, 93, 222)` looks like.

```
.text, #text, p{  
    color:rgb(218, 93, 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(218, 93, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 93, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.0126, 28.0081, 72.0882 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(218, 93, 222) }
```


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

```
.border{ border-color:rgb(218, 93, 222) }
```

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

Here you see how a box with a 4 pixel rgb(218, 93, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 93, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 93, 222);  
box-shadow:4px 4px 4px 4px rgb(218, 93,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0126, 28.0081, 72.0882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 93, 222) }
```

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

```
.background{ background-color: rgb(218, 93,  
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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