

Converting Colors

XYZ(46.5290, 27.9931, 69.4791)

Have a look what the booklet for
XYZ(46.5290, 27.9931, 69.4791)
contains.

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Color

**XYZ(46.4353, 27.9039,
69.2682)**

Conversions

Conversions Part 1

Format	Color
Hex	DE5ADA
RGB	222, 90, 218
RGB Percent	87%, 35%, 85%
CMY	0.1294, 0.6470, 0.1451
CMYK	0.00, 0.59, 0.02, 0.13
HSL	302°, 67%, 61%
HSV	302°, 59%, 87%
XYZ	46.4353, 27.9039, 69.2682
YIQ	144.0600, 37.5840, 67.7920

Conversions

Conversions Part 2

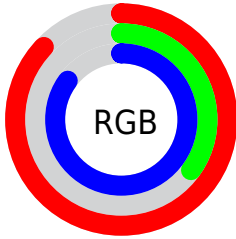
Format	Color
R _{YB}	222, 90, 218
Decimal	14572250
CIE _{Lab}	59.80, 67.07, -41.32
CIE _{LCh}	60, 78.772, 328.364
Yxy	27.9039, 0.3233, 0.1943
Android (android.graphics.Color)	4292762330 (0xFFDE5ADA)
YUV	144.0600, 36.4524, 68.3534
Hunter-Lab	52.8241, 64.4690, -40.7700

Details

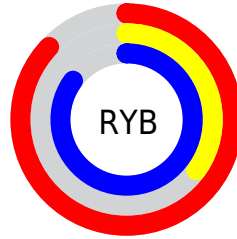
The XYZ color **46.4353, 27.9039, 69.2682** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.3594, 55.2256, 19.5455**, and the grayscale version is **26.3819, 27.7558, 30.2261**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **22.2473, 11.1901, 35.6377** is the 20% darker color. If you saturate the color by 10%, you get **44.7471, 24.6675, 68.2721**, and if you desaturate by 10%, it is **48.6848, 32.2610, 70.4537**.

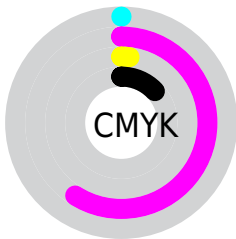
Distribution



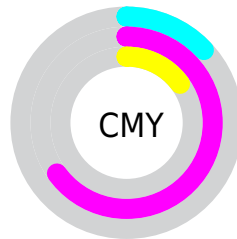
- Red (87%)
- Green (35%)
- Blue (85%)



- Red (87%)
- Yellow (35%)
- Blue (85%)



- Cyan (0%)
- Magenta (59%)
- Yellow (2%)
- Black (13%)




- Cyan (13%)
- Magenta (65%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4353, 27.9039, 69.2682 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 46.4353, 27.9039, 69.2682 by changing the saturation by 10% instead.


 46.4353, 27.9039,
69.2682

 46.4353, 27.9039,
69.2682


363.2426,
292.0074, 476.6959

 32.7955, 18.2532,
50.4570


 84.0940, 56.3310,
119.8359


 22.1283, 11.1319,
35.4030


 108.8436, 75.8762,
152.4295

 14.0684, 6.1557,
23.6874


 138.0272, 99.4883,
190.4543

 8.2503, 2.9400,
14.8919

 172.0102,
127.5519, 234.3289

 4.3086, 1.1005,
8.5977

211.1578,
160.4511, 284.4718

 1.8782, 0.0000,
4.3865

255.8356,

 0.5641, 0.0000,

198.5706, 341.3016

1.8397

306.4087,
242.2945, 405.2368

■ 0.0000, 0.0000,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 46.4353, 27.9039,
69.2682

■ 46.4353, 27.9039,
69.2682

■ 44.7471, 24.6675,
68.2721

■ 48.6848, 32.2610,
70.4537

■ 43.5658, 22.4450,
67.4465


■ 51.5379, 37.8253,
71.8418


■ 42.8315, 21.1158,
66.7716

■ 55.0360, 44.6792,
73.4468


■ 42.4432, 20.4782,
66.2139


■ 59.2162, 52.8967,
75.2809


 42.4254, 20.4501,
66.1847

 64.1128, 62.5463,
77.3555

 69.7576, 73.6918,
79.6813

 76.1807, 86.3934,
82.2684

 79.2558, 92.3983,
83.7412

 79.3469, 92.4347,
84.2211

Harmonies

Analogous

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



36.7184, 27.9039, 108.8957



46.4353, 27.9039, 69.2682



50.6885, 27.9039, 31.9784

Triad

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



46.4353, 27.9039, 69.2682



27.0733, 27.9039, 1.9086



12.9700, 27.9039, 64.6677

Complementary

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



46.4353, 27.9039, 69.2682



32.3594, 55.2256, 19.5455

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.



11.5970, 27.9039, 28.8408



46.4353, 27.9039, 69.2682



18.4128, 27.9039, 3.1471

Square

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



46.4353, 27.9039, 69.2682



37.9094, 27.9039, 3.5059



13.3130, 27.9039, 9.7168



17.6789, 27.9039, 105.2631

Rectangle

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



46.4353, 27.9039, 69.2682



49.2107, 27.9039, 16.1533



13.3130, 27.9039, 9.7168



12.1642, 27.9039, 51.1850

Sweetspot

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



46.4363, 27.9052, 69.2688



81.8918, 74.0407, 103.4128



21.2759, 14.8733, 70.8578



17.1396, 15.0829, 21.9671



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.



46.4363, 27.9052, 69.2688



60.8643, 33.0224, 93.2078



39.5978, 25.1698, 33.2575



14.2761, 13.9281, 17.2243



25.2074, 12.1500, 39.3533



1.7530, 0.8445, 2.7580

Inverse Universe

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



46.4363, 27.9052, 69.2688



60.8643, 33.0224, 93.2078



36.5278, 56.8930, 41.4960



14.2761, 13.9281, 17.2243



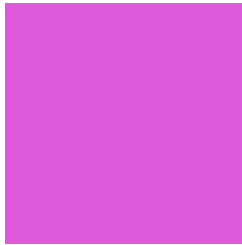
25.2074, 12.1500, 39.3533



1.7530, 0.8445, 2.7580

Previews

White Background



This preview shows how the XYZ color 46.4353, 27.9039, 69.2682 looks on a white background.

Color Contrast Check

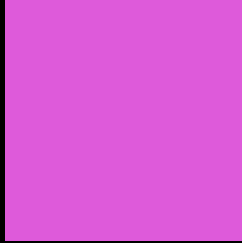
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4353, 27.9039, 69.2682 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 46.4353, 27.9039, 69.2682

Background



This preview shows how black text looks on a background with the XYZ color 46.4353, 27.9039, 69.2682.



This preview shows how white text looks on a background with the XYZ color 46.4353, 27.9039,

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

46.4353, 27.9039, 69.2682

Protanopia

31.8893, 28.4939, 98.4269

Deuteranopia

28.8023, 28.0999, 64.2274



Tritanopia

36.7475, 27.7949, 22.4969

Trichromacy



Original Color

46.4353, 27.9039, 69.2682



Protanomaly

33.6340, 25.8188, 87.2152



Deuteranomaly

32.8016, 26.2367, 65.6227



Tritanomaly

39.4536, 27.4311, 35.5630

Monochromacy



Original Color

46.4353, 27.9039, 69.2682



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

31.5716, 26.1262, 41.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4353, 27.9039, 69.2682 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(222, 90, 218)` looks like.

```
.text, #text, p{  
    color:rgb(222, 90, 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(222, 90, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 90, 218) }
```

Border

The CSS property to change the border of an element to XYZ 46.4353, 27.9039, 69.2682 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(222, 90, 218) }
```


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

```
.border{ border-color:rgb(222, 90, 218) }
```

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

Here you see how a box with a 4 pixel rgb(222, 90, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 90, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 90, 218);  
box-shadow:4px 4px 4px 4px rgb(222, 90,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4353, 27.9039, 69.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 90, 218) }
```

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

```
.background{ background-color: rgb(222, 90,  
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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