

Converting Colors

XYZ(46.6284, 25.6248, 70.0529)

Have a look what the booklet for
XYZ(46.6284, 25.6248, 70.0529)
contains.

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Color

**XYZ(46.6639, 25.6324,
70.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	E344DC
RGB	227, 68, 220
RGB Percent	89%, 27%, 86%
CMY	0.1098, 0.7333, 0.1373
CMYK	0.00, 0.70, 0.03, 0.11
HSL	303°, 74%, 58%
HSV	303°, 70%, 89%
XYZ	46.6639, 25.6324, 70.1982
YIQ	132.8690, 45.9720, 80.9800

Conversions

Conversions Part 2

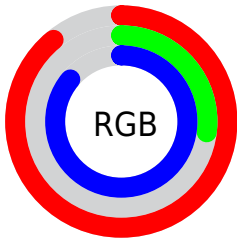
Format	Color
R_{YB}	227, 68, 220
Decimal	14894300
CIE _{Lab}	57.69, 76.83, -45.73
CIE _{LCh}	58, 89.409, 329.237
Yxy	25.6324, 0.3275, 0.1799
Android (android.graphics.Color)	4293084380 (0xFFE344DC)
YUV	132.8690, 42.9556, 82.5529
Hunter-Lab	50.6285, 75.9225, -46.7678

Details

The XYZ color **46.6639, 25.6324, 70.1982** 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 **31.1241, 56.6762, 15.9573**, and the grayscale version is **22.0853, 23.2355, 25.3034**.

A 20% lighter version of the original color is **67.1403, 44.1805, 99.5968**, and **22.8493, 11.0052, 36.0419** is the 20% darker color. If you saturate the color by 10%, you get **45.4154, 23.3459, 69.1310**, and if you desaturate by 10%, it is **48.4462, 28.9839, 71.4476**.

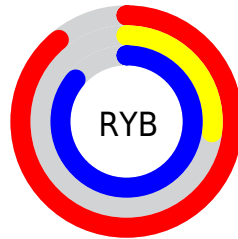
Distribution



Red (89%)

Green (27%)

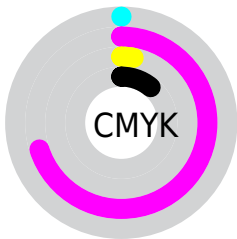
Blue (86%)



Red (89%)

Yellow (27%)

Blue (86%)

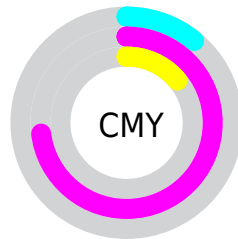


Cyan (0%)

Magenta (70%)

Yellow (3%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6639, 25.6324, 70.1982 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 46.6639, 25.6324, 70.1982 by changing the saturation by 10% instead.


 46.6639, 25.6324,
70.1982


 46.6639, 25.6324,
70.1982


364.1427,
280.9729, 480.0535


 32.9769, 16.5488,
51.2103


 84.4335, 52.6813,
121.1751


 22.2679, 9.9134,
35.9981


 109.2468, 71.4155,
154.0013


 14.1716, 5.3415,
24.1431


 138.4996, 94.1353,
192.2772

 8.3226, 2.4490,
15.2266

 172.5571,
121.2251, 236.4216

 4.3556, 0.8509,
8.8302

 211.7849,
153.0694, 286.8528

 1.9052, 0.0000,
4.5353

256.5481,

 0.5799, 0.0000,

190.0525, 343.9896

1.9234

307.2123,
232.5589, 408.2503

■ 0.0000, 0.0000,
0.5075

■ 0.0000, 0.0000,
0.0000

■ 46.6639, 25.6324,
70.1982

■ 46.6639, 25.6324,
70.1982

■ 45.4154, 23.3459,
69.1310

■ 48.4462, 28.9839,
71.4476


■ 44.6327, 21.9904,
68.2228


■ 50.8144, 33.5065,
72.8961


■ 44.2041, 21.3412,
67.4391


■ 53.8175, 39.2975,
74.5600


■ 57.4985, 46.4432,
76.4539

 61.8967, 55.0221,
78.5908

 67.0485, 65.1068,
80.9828

 72.9878, 76.7651,
83.6413

 79.7462, 90.0606,
86.5768

 81.5813, 93.5080,
87.8751

Harmonies

Analogous

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



35.8571, 25.6324, 117.3656



46.6639, 25.6324, 70.1982



51.2697, 25.6324, 28.7009

Triad

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



46.6639, 25.6324, 70.1982



24.6377, 25.6324, 0.7032



10.4584, 25.6324, 67.7160

Complementary

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



46.6639, 25.6324, 70.1982



31.1241, 56.6762, 15.9573

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.



9.0375, 25.6324, 27.1325



46.6639, 25.6324, 70.1982



15.6320, 25.6324, 1.6039

Square

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



46.6639, 25.6324, 70.1982



36.4743, 25.6324, 1.7235



10.6149, 25.6324, 7.3177



15.2818, 25.6324, 115.3344

Rectangle

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



46.6639, 25.6324, 70.1982



49.4090, 25.6324, 12.6486



10.6149, 25.6324, 7.3177



9.6427, 25.6324, 52.1736

Sweetspot

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



46.6649, 25.6336, 70.1987



79.9043, 70.3125, 101.9901



18.7039, 11.1098, 73.8326



16.7479, 14.3568, 21.6598



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.



46.6649, 25.6336, 70.1987



58.5944, 29.4594, 89.4397



38.6444, 22.4254, 27.9636



14.9663, 14.6037, 18.0227



25.7915, 12.4508, 39.3924



1.9144, 0.9235, 2.9560

Inverse Universe

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



46.6649, 25.6336, 70.1987



58.5944, 29.4594, 89.4397



35.5875, 58.4615, 39.4608



14.9663, 14.6037, 18.0227



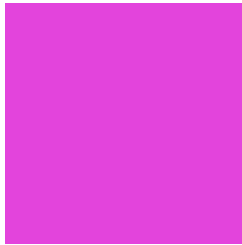
25.7915, 12.4508, 39.3924



1.9144, 0.9235, 2.9560

Previews

White Background



This preview shows how the XYZ color 46.6639, 25.6324, 70.1982 looks on a white background.

Color Contrast Check

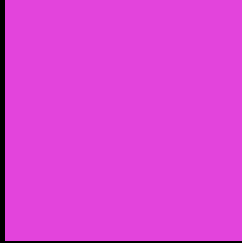
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6639, 25.6324, 70.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

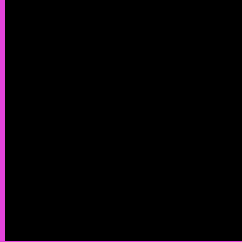
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.6639, 25.6324, 70.1982

Background



This preview shows how black text looks on a background with the XYZ color 46.6639, 25.6324, 70.1982.



This preview shows how white text looks on a background with the XYZ color 46.6639, 25.6324,

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

46.6639, 25.6324, 70.1982

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.5410, 25.8446, 63.9112



Tritanopia

35.8439, 25.4954, 18.0708

Trichromacy



Original Color

46.6639, 25.6324, 70.1982



Protanomaly

31.2272, 22.6852, 86.7372



Deuteranomaly

30.4930, 23.0984, 65.8021



Tritanomaly

38.5404, 24.7766, 32.0292

Monochromacy



Original Color

46.6639, 25.6324, 70.1982



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

28.1965, 21.8694, 38.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6639, 25.6324, 70.1982 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, 68, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 68, 220)  
}
```

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, 68, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 68, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.6639, 25.6324, 70.1982 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, 68, 220) }
```


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

```
.border{ border-color:rgb(227, 68, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 68, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 68, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 68, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 68,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6639, 25.6324, 70.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 68, 220) }
```

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

```
.background{ background-color: rgb(227, 68,  
220) }
```

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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