

Converting Colors

XYZ(46.3279, 29.4272, 62.4999)

Have a look what the booklet for
XYZ(46.3279, 29.4272, 62.4999)
contains.

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Color

**XYZ(46.3476, 29.5003,
62.2828)**

Conversions

Conversions Part 1

Format	Color
Hex	DF65CF
RGB	223, 101, 207
RGB Percent	87%, 40%, 81%
CMY	0.1255, 0.6039, 0.1882
CMYK	0.00, 0.55, 0.07, 0.13
HSL	308°, 66%, 64%
HSV	308°, 55%, 87%
XYZ	46.3476, 29.5003, 62.2828
YIQ	149.5620, 38.6860, 58.8300

Conversions

Conversions Part 2

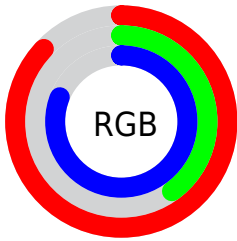
Format	Color
R _Y B	223, 101, 207
Decimal	14640591
CIE Lab	61.22, 60.70, -32.88
CIE LCh	61, 69.037, 331.555
Yxy	29.5003, 0.3355, 0.2136
Android (android.graphics.Color)	4292830671 (0xFFDF65CF)
YUV	149.5620, 28.3169, 64.4051
Hunter-Lab	54.3142, 57.2685, -29.9687

Details

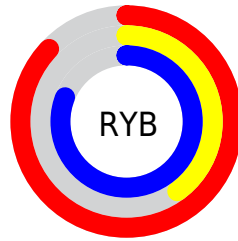
The XYZ color **46.3476, 29.5003, 62.2828** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.9667, 56.8276, 25.9575**, and the grayscale version is **28.6778, 30.1712, 32.8565**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **22.0484, 11.9941, 30.8588** is the 20% darker color. If you saturate the color by 10%, you get **44.1148, 25.6010, 59.7908**, and if you desaturate by 10%, it is **49.1763, 34.5795, 65.0067**.

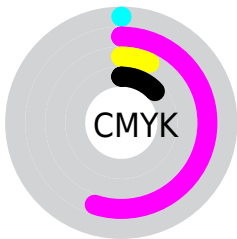
Distribution



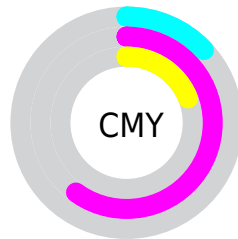
- Red (87%)
- Green (40%)
- Blue (81%)



- Red (87%)
- Yellow (40%)
- Blue (81%)



- Cyan (0%)
- Magenta (55%)
- Yellow (7%)
- Black (13%)





- Cyan (13%)
- Magenta (60%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3476, 29.5003, 62.2828 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 46.3476, 29.5003, 62.2828 by changing the saturation by 10% instead.


 46.3476, 29.5003,
62.2828


 46.3476, 29.5003,
62.2828


362.8969,
299.5682, 450.9980


 32.7260, 19.4596,
44.8240


 83.9637, 58.8710,
109.7097


 22.0748, 12.0029,
30.9769

 108.6888, 78.9699,
140.5149

 14.0288, 6.7456,
20.3229


 137.8459,
103.1902, 176.6059

 8.2225, 3.3035,
12.4436

 171.8002,
131.9164, 218.4014

 4.2907, 1.2922,
6.9203

210.9170,
165.5330, 266.3198

 1.8679, 0.1351,
3.3346

255.5619,

 0.5581, 0.0000,

204.4242, 320.7796

1.2679

306.1001,
248.9745, 382.1995

■ 0.0000, 0.0000,
0.0353

■ 0.0000, 0.0000,
0.0000

■ 46.3476, 29.5003,
62.2828

■ 46.3476, 29.5003,
62.2828

■ 44.1148, 25.6010,
59.7908

■ 49.1763, 34.5795,
65.0067

■ 42.4261, 22.7801,
57.5123


■ 52.6413, 40.9212,
67.9752


■ 41.2260, 20.9259,
55.4291


■ 56.7827, 48.6050,
71.2023


■ 40.4454, 19.9002,
53.5179


■ 61.6367, 57.7032,
74.7001


 40.1417, 19.5721,
52.5556

 67.2366, 68.2825,
78.4799

 73.6140, 80.4058,
82.5524

 80.1225, 92.7805,
86.7023

 80.5309, 92.9438,
88.8527

 80.9461, 93.1099,
91.0395

Harmonies

Analogous

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



38.1963, 29.5003, 96.2841



46.3476, 29.5003, 62.2828



49.3456, 29.5003, 30.7838

Triad

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



46.3476, 29.5003, 62.2828



27.5683, 29.5003, 3.5893



15.6448, 29.5003, 66.0066

Complementary

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



46.3476, 29.5003, 62.2828



34.9667, 56.8276, 25.9575

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.



13.9648, 29.5003, 33.4959



46.3476, 29.5003, 62.2828



19.8640, 29.5003, 5.5850

Square

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



46.3476, 29.5003, 62.2828



37.1974, 29.5003, 5.1731



15.3261, 29.5003, 13.7152



20.5229, 29.5003, 99.1307

Rectangle

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



46.3476, 29.5003, 62.2828



47.5975, 29.5003, 17.0384



15.3261, 29.5003, 13.7152



14.7413, 29.5003, 54.1976

Sweetspot

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



46.3486, 29.5017, 62.2834



82.5375, 76.3345, 100.5378



25.0753, 18.2973, 72.0230



17.3632, 15.7692, 21.3046



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.



46.3486, 29.5017, 62.2834



59.3214, 33.9069, 80.4536



40.4132, 27.1275, 31.0280



14.2136, 13.9031, 16.8951



23.6325, 11.5200, 31.0599



1.6599, 0.8072, 2.2678

Inverse Universe

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



46.3486, 29.5017, 62.2834



59.3214, 33.9069, 80.4536



39.6154, 58.6870, 50.4368



14.2136, 13.9031, 16.8951



23.6325, 11.5200, 31.0599



1.6599, 0.8072, 2.2678

Previews

White Background



This preview shows how the XYZ color 46.3476, 29.5003, 62.2828 looks on a white background.

Color Contrast Check

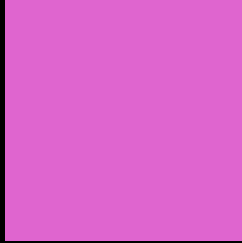
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3476, 29.5003, 62.2828 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 46.3476, 29.5003, 62.2828

Background



This preview shows how black text looks on a background with the XYZ color 46.3476, 29.5003, 62.2828.



This preview shows how white text looks on a background with the XYZ color 46.3476, 29.5003,

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

46.3476, 29.5003, 62.2828

Protanopia

32.7612, 30.0337, 89.6583

Deuteranopia

30.4192, 29.7496, 58.1718



Tritanopia

38.4105, 29.3141, 24.4026

Trichromacy



Original Color

46.3476, 29.5003, 62.2828



Protanomaly

34.8517, 27.9541, 79.1601



Deuteranomaly

34.3692, 28.3365, 59.5352



Tritanomaly

40.6062, 28.9963, 35.3549

Monochromacy



Original Color

46.3476, 29.5003, 62.2828



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

33.7334, 28.7899, 42.3071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3476, 29.5003, 62.2828 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(223, 101, 207)` looks like.

```
.text, #text, p{  
    color:rgb(223, 101, 207)  
}
```

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(223, 101, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 101, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.3476, 29.5003, 62.2828 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(223, 101, 207) }
```


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

```
.border{ border-color:rgb(223, 101, 207) }
```

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

Here you see how a box with a 4 pixel rgb(223, 101, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 101, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 101, 207);  
box-shadow:4px 4px 4px 4px rgb(223, 101,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3476, 29.5003, 62.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 101, 207) }
```

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

```
.background{ background-color: rgb(223,  
101, 207) }
```

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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