

Converting Colors

XYZ(46.1771, 29.8731, 49.6392)

Have a look what the booklet for
XYZ(46.1771, 29.8731, 49.6392)
contains.

XYZ(46.2474, 29.8709, 49.7825)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.2474, 29.8709,
49.7825)**

Conversions

Conversions Part 1

Format	Color
Hex	E666BA
RGB	230, 102, 186
RGB Percent	90%, 40%, 73%
CMY	0.0980, 0.6000, 0.2706
CMYK	0.00, 0.56, 0.19, 0.10
HSL	321°, 72%, 65%
HSV	321°, 56%, 90%
XYZ	46.2474, 29.8709, 49.7825
YIQ	149.8480, 49.3240, 53.2600

Conversions

Conversions Part 2

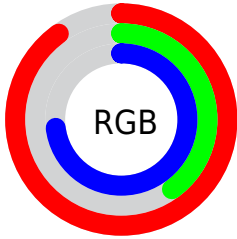
Format	Color
R _Y B	230, 102, 186
Decimal	15099578
CIE Lab	61.54, 59.03, -20.38
CIE LCh	62, 62.450, 340.951
Yxy	29.8709, 0.3673, 0.2373
Android (android.graphics.Color)	4293289658 (0xFFE666BA)
YUV	149.8480, 17.8229, 70.2933
Hunter-Lab	54.6543, 55.3983, -15.7470

Details

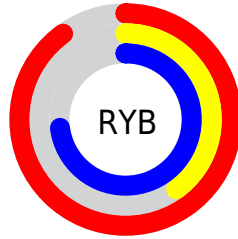
The XYZ color **46.2474, 29.8709, 49.7825** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **38.9661, 61.4946, 37.0128**, and the grayscale version is **28.8384, 30.3402, 33.0405**.

A 20% lighter version of the original color is **69.4939, 52.1245, 90.4027**, and **21.9289, 12.1527, 23.3802** is the 20% darker color. If you saturate the color by 10%, you get **43.4751, 25.6342, 44.8254**, and if you desaturate by 10%, it is **49.6950, 35.3829, 55.1947**.

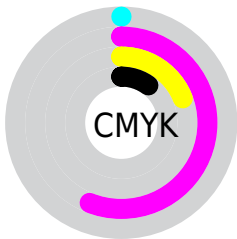
Distribution



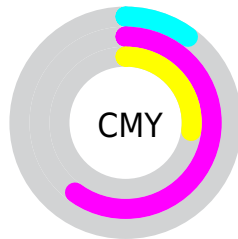
- Red (90%)
- Green (40%)
- Blue (73%)



- Red (90%)
- Yellow (40%)
- Blue (73%)



- Cyan (0%)
- Magenta (56%)
- Yellow (19%)
- Black (10%)



- Cyan (10%)
- Magenta (60%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2474, 29.8709, 49.7825 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 46.2474, 29.8709, 49.7825 by changing the saturation by 10% instead.


 46.2474, 29.8709,
49.7825


 46.2474, 29.8709,
49.7825

362.5017,
301.3022, 402.5254


 32.6465, 19.7406,
34.8706


 83.8147, 59.4580,
91.2455


 22.0137, 12.2066,
23.2805


 108.5119, 79.6835,
118.6338

 13.9837, 6.8846,
14.5935


 137.6386,
104.0430, 151.0179

 8.1909, 3.3900,
8.3912


 171.5601,
132.9207, 188.8164

 4.2702, 1.3386,
4.2549

210.6418,
166.7011, 232.4479

 1.8561, 0.1708,
1.7662

255.2491,

 0.5511, 0.0000,

205.7685, 282.3309

0.4055

305.7472,
250.5075, 338.8839

■ 0.0000, 0.0000,
0.0000

■ 46.2474, 29.8709,
49.7825

■ 46.2474, 29.8709,
49.7825

■ 43.4751, 25.6342,
44.8254

■ 49.6950, 35.3829,
55.1947

■ 41.3212, 22.5615,
40.3001

■ 53.8629, 42.2605,
61.0798

■ 39.7239, 20.5298,
36.1823


■ 58.7956, 50.5908,
67.4565


■ 38.6059, 19.3859,
32.4425


■ 64.5328, 60.4522,
74.3414

■ 38.2139, 19.0553,
30.9140

■ 71.1115, 71.9179,
81.7501

 78.5665, 85.0559,
89.6976

 84.3224, 94.7147,
97.3287

 85.5318, 95.1985,
103.6973

 86.4433, 95.5631,
108.4972

Harmonies

Analogous

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



40.1514, 29.8709, 80.5198



46.2474, 29.8709, 49.7825



47.0573, 29.8709, 24.6114

Triad

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



46.2474, 29.8709, 49.7825



25.4741, 29.8709, 5.1612



17.9882, 29.8709, 72.4752

Complementary

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



46.2474, 29.8709, 49.7825



38.9661, 61.4946, 37.0128

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.



15.4578, 29.8709, 41.9739



46.2474, 29.8709, 49.7825



19.1861, 29.8709, 8.8173

Square

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



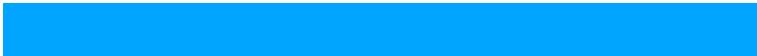
46.2474, 29.8709, 49.7825



33.9085, 29.8709, 5.6651



15.8489, 29.8709, 19.8017



23.5077, 29.8709, 97.4274

Rectangle

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



46.2474, 29.8709, 49.7825



44.3433, 29.8709, 14.2639



15.8489, 29.8709, 19.8017



16.8134, 29.8709, 62.0475

Sweetspot

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



46.2483, 29.8724, 49.7831



80.4388, 74.4692, 92.6486



30.6543, 21.2072, 77.3411



16.8922, 15.3788, 19.4472



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.



46.2483, 29.8724, 49.7831



54.4163, 31.6217, 55.6199



40.9818, 27.7657, 22.0497



14.7736, 14.5266, 17.0080



21.6940, 10.8118, 17.8156



1.6464, 0.8163, 1.5442

Inverse Universe

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



46.2483, 29.8724, 49.7831



54.4163, 31.6217, 55.6199



45.2448, 64.0061, 70.0763



14.7736, 14.5266, 17.0080



21.6940, 10.8118, 17.8156



1.6464, 0.8163, 1.5442

Previews

White Background



This preview shows how the XYZ color 46.2474, 29.8709, 49.7825 looks on a white background.

Color Contrast Check

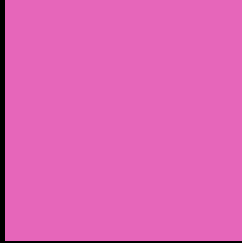
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2474, 29.8709, 49.7825 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 46.2474, 29.8709, 49.7825

Background



This preview shows how black text looks on a background with the XYZ color 46.2474, 29.8709, 49.7825.

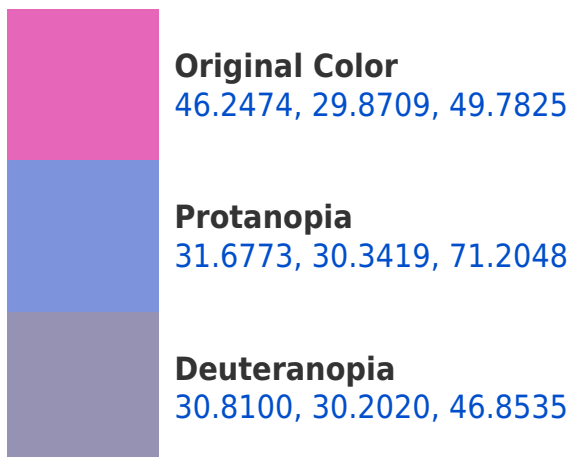


This preview shows how white text looks on a background with the XYZ color 46.2474, 29.8709,

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





Tritanopia

40.6240, 29.7933, 22.6783

Trichromacy



Original Color

46.2474, 29.8709, 49.7825



Protanomaly

34.4830, 28.5241, 62.7197



Deuteranomaly

34.7862, 28.8076, 47.9830



Tritanomaly

42.3149, 29.6442, 31.0954

Monochromacy



Original Color

46.2474, 29.8709, 49.7825



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

33.5888, 29.0031, 38.4782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2474, 29.8709, 49.7825 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(230, 102, 186)` looks like.

```
.text, #text, p{  
    color:rgb(230, 102, 186)  
}
```

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(230, 102, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 102, 186) }
```

Border

The CSS property to change the border of an element to XYZ 46.2474, 29.8709, 49.7825 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(230, 102, 186) }
```


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

```
.border{ border-color:rgb(230, 102, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 102, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 102, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 102, 186);  
box-shadow:4px 4px 4px 4px rgb(230, 102,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2474, 29.8709, 49.7825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 102, 186) }
```

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

```
.background{ background-color: rgb(230,  
102, 186) }
```

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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