

Converting Colors

XYZ(49.1241, 29.6440, 70.6819)

Have a look what the booklet for
XYZ(49.1241, 29.6440, 70.6819)
contains.

XYZ(49.1457, 29.6540, 70.8437)	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(49.1457, 29.6540,
70.8437)**

Conversions

Conversions Part 1

Format	Color
Hex	E55DDC
RGB	229, 93, 220
RGB Percent	90%, 36%, 86%
CMY	0.1020, 0.6353, 0.1373
CMYK	0.00, 0.59, 0.04, 0.10
HSL	304°, 72%, 63%
HSV	304°, 59%, 90%
XYZ	49.1457, 29.6540, 70.8437
YIQ	148.1420, 40.2890, 68.3290

Conversions

Conversions Part 2

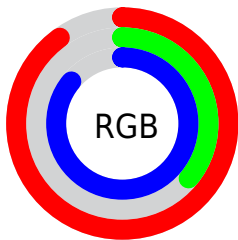
Format	Color
R_{YB}	229, 93, 220
Decimal	15031772
CIE _{Lab}	61.35, 67.89, -39.93
CIE _{LCh}	61, 78.765, 329.535
Yxy	29.6540, 0.3284, 0.1982
Android (android.graphics.Color)	4293221852 (0xFFE55DDC)
YUV	148.1420, 35.4260, 70.9125
Hunter-Lab	54.4555, 65.7979, -39.0143

Details

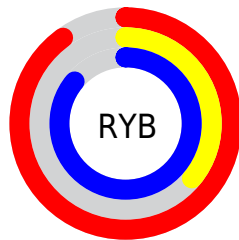
The XYZ color **49.1457, 29.6540, 70.8437** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **34.9331, 59.3263, 22.1821**, and the grayscale version is **28.0539, 29.5149, 32.1417**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **23.6937, 12.0569, 36.2004** is the 20% darker color. If you saturate the color by 10%, you get **47.2288, 26.1392, 69.2190**, and if you desaturate by 10%, it is **51.6682, 34.3755, 72.6797**.

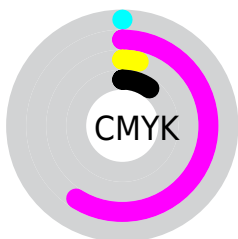
Distribution



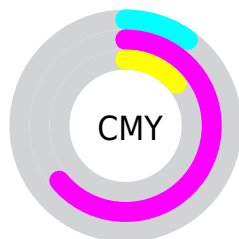
- Red (90%)
- Green (36%)
- Blue (86%)



- Red (90%)
- Yellow (36%)
- Blue (86%)



- Cyan (0%)
- Magenta (59%)
- Yellow (4%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1457, 29.6540, 70.8437 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 49.1457, 29.6540, 70.8437 by changing the saturation by 10% instead.


 49.1457, 29.6540,
70.8437


 49.1457, 29.6540,
70.8437

373.8231,
300.2883, 482.3758


 34.9501, 19.5761,
51.7336


 88.1072, 59.1146,
122.1035


 23.7908, 12.0873,
36.4120


 113.6039, 79.2660,
155.0903

 15.3024, 6.8032,
24.4604


 143.5982,
103.5442, 193.5398

 9.1196, 3.3393,
15.4601

 178.4556,
132.3333, 237.8704

 4.8770, 1.3113,
8.9927

218.5415,
166.0179, 288.5008

 2.2093, 0.1500,
4.6397

264.2211,

 0.7476, 0.0000,

204.9824, 345.8495

1.9824

315.8598,
249.6110, 410.3350

■ 0.0000, 0.0000,
0.5444

■ 0.0000, 0.0000,
0.0000

■ 49.1457, 29.6540,
70.8437

■ 49.1457, 29.6540,
70.8437

■ 47.2288, 26.1392,
69.2190

■ 51.6682, 34.3755,
72.6797

■ 45.8587, 23.7159,
67.7854

■ 54.8417, 40.3969,
74.7415


■ 44.9706, 22.2538,
66.5213


■ 58.7112, 47.8072,
77.0442


■ 44.4585, 21.5406,
65.3914


■ 63.3164, 56.6863,
79.6013


 44.4313, 21.5053,
65.3238

 68.6945, 67.1080,
82.4251

 74.8798, 79.1411,
85.5270

 81.9046, 92.8504,
88.9179

 82.6568, 94.0116,
90.2270

 82.8733, 94.0981,
91.3668

Harmonies

Analogous

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



39.2230, 29.6540, 112.0153



49.1457, 29.6540, 70.8437



53.2490, 29.6540, 32.7547

Triad

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



49.1457, 29.6540, 70.8437



28.3477, 29.6540, 2.2163



14.1335, 29.6540, 69.4945

Complementary

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



49.1457, 29.6540, 70.8437



34.9331, 59.3263, 22.1821

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.



12.5581, 29.6540, 31.8261



49.1457, 29.6540, 70.8437



19.4408, 29.6540, 3.7102

Square

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



49.1457, 29.6540, 70.8437



39.5740, 29.6540, 3.8210



14.2360, 29.6540, 11.1020



19.2224, 29.6540, 110.9547

Rectangle

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



49.1457, 29.6540, 70.8437



51.5121, 29.6540, 16.6884



14.2360, 29.6540, 11.1020



13.2404, 29.6540, 55.4429

Sweetspot

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



49.1468, 29.6554, 70.8443



81.6297, 73.9359, 102.0327



23.2920, 16.1853, 76.0261



17.0746, 15.0569, 21.6246



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.



49.1468, 29.6554, 70.8443



59.8657, 32.6230, 87.9494



42.0782, 26.8279, 33.6216



14.9518, 14.5979, 17.9464



25.4211, 12.3027, 37.4421



1.8910, 0.9141, 2.8326

Inverse Universe

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



49.1468, 29.6554, 70.8443



59.8657, 32.6230, 87.9494



39.5841, 61.1866, 46.6738



14.9518, 14.5979, 17.9464



25.4211, 12.3027, 37.4421



1.8910, 0.9141, 2.8326

Previews

White Background



This preview shows how the XYZ color 49.1457, 29.6540, 70.8437 looks on a white background.

Color Contrast Check

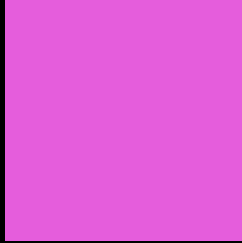
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1457, 29.6540, 70.8437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

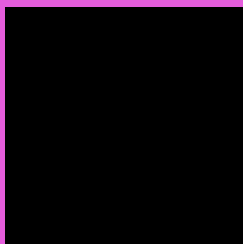
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.1457, 29.6540, 70.8437

Background



This preview shows how black text looks on a background with the XYZ color 49.1457, 29.6540, 70.8437.



This preview shows how white text looks on a background with the XYZ color 49.1457, 29.6540,

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

49.1457, 29.6540, 70.8437

Protanopia

33.4309, 30.1801, 98.6711

Deuteranopia

30.6490, 29.9306, 65.7898



Tritanopia

39.2226, 29.3946, 23.6851

Trichromacy



Original Color

49.1457, 29.6540, 70.8437



Protanomaly

35.5205, 27.5356, 87.4472



Deuteranomaly

34.8312, 27.8203, 67.1524



Tritanomaly

42.0259, 29.0401, 37.1085

Monochromacy



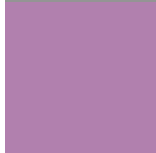
Original Color

49.1457, 29.6540, 70.8437



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

33.4906, 27.8414, 43.6532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1457, 29.6540, 70.8437 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(229, 93, 220)` looks like.

```
.text, #text, p{  
    color:rgb(229, 93, 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(229, 93, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 93, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.1457, 29.6540, 70.8437 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(229, 93, 220) }
```


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

```
.border{ border-color:rgb(229, 93, 220) }
```

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

Here you see how a box with a 4 pixel rgb(229, 93, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 93, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 93, 220);  
box-shadow:4px 4px 4px 4px rgb(229, 93,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1457, 29.6540, 70.8437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 93, 220) }
```

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

```
.background{ background-color: rgb(229, 93,  
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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