

Converting Colors

XYZ(49.4433, 31.1937, 75.1520)

Have a look what the booklet for
XYZ(49.4433, 31.1937, 75.1520)
contains.

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Color

**XYZ(49.4183, 31.2389,
75.3766)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E068E2 |
| RGB | 224, 104, 226 |
| RGB Percent | 88%, 41%, 89% |
| CMY | 0.1216, 0.5921, 0.1137 |
| CMYK | 0.01, 0.54, 0.00, 0.11 |
| HSL | 299°, 68%, 65% |
| HSV | 299°, 54%, 89% |
| XYZ | 49.4183, 31.2389, 75.3766 |
| YIQ | 153.7880, 32.3580, 63.3820 |

Conversions

Conversions Part 2

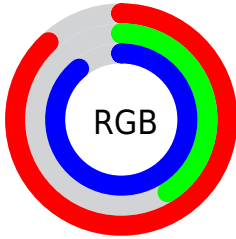
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 224, 104, 226 |
| Decimal | 14706914 |
| CIE Lab | 62.71, 62.79, -41.22 |
| CIE LCh | 63, 75.114, 326.718 |
| Yxy | 31.2389, 0.3167, 0.2002 |
| Android (android.graphics.Color) | 4292896994 (0xFFE068E2) |
| YUV | 153.7880, 35.6005, 61.5759 |
| Hunter-Lab | 55.8918, 60.0153, -40.8353 |

Details

The XYZ color **49.4183, 31.2389, 75.3766** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.6399, 58.4571, 22.5031**, and the grayscale version is **30.4626, 32.0490, 34.9013**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **23.9586, 12.9633, 39.2696** is the 20% darker color. If you saturate the color by 10%, you get **47.3266, 27.2248, 74.7125**, and if you desaturate by 10%, it is **52.1220, 36.4748, 76.2452**.

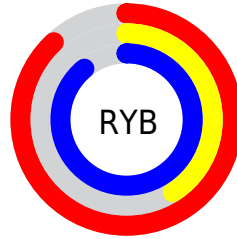
Distribution



Red (88%)

Green (41%)

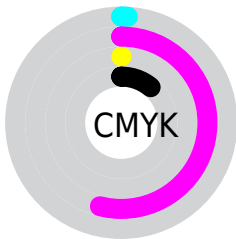
Blue (89%)



Red (88%)

Yellow (41%)

Blue (89%)

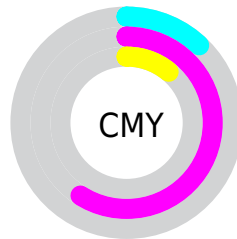


Cyan (1%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (59%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4183, 31.2389, 75.3766 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 49.4183, 31.2389, 75.3766 by changing the saturation by 10% instead.

49.4183, 31.2389,
75.3766

49.4183, 31.2389,
75.3766

374.8765,
307.6374, 498.5009

35.1673, 20.7808,
55.4179

88.5094, 61.6160,
128.5973

23.9589, 12.9639,
39.3355

114.0802, 82.3038,
162.6964

15.4277, 7.4037,
26.7110

144.1550,
107.1704, 202.3460

9.2084, 3.7158,
17.1258

179.0992,
136.6000, 247.9647

4.9355, 1.5159,
10.1613

219.2781,
170.9771, 299.9710

2.2439, 0.2999,
5.3990

265.0570,

0.7657, 0.0000,

210.6861, 358.7834

2.4204

316.8013,
256.1114, 424.8205

■ 0.0000, 0.0000,
0.7975

■ 0.0000, 0.0000,
0.0000

■ 49.4183, 31.2389,
75.3766

■ 49.4183, 31.2389,
75.3766

■ 47.3266, 27.2248,
74.7125

■ 52.1220, 36.4748,
76.2452

■ 45.7935, 24.3285,
74.2342


■ 55.4786, 43.0172,
77.3311


■ 44.7625, 22.4359,
73.9233


■ 59.5296, 50.9478,
78.6483


■ 44.1632, 21.4065,
73.7562


■ 64.3119, 60.3407,
80.2093

 43.9430, 21.0677,
73.7024

 69.8599, 71.2647,
82.0254

 76.2059, 83.7842,
84.1075

 81.0381, 93.2759,
85.6849

 81.1548, 93.3361,
85.6903

 81.2717, 93.3964,
85.6958

Harmonies

Analogous

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



39.4703, 31.2389, 113.5193



49.4183, 31.2389, 75.3766



54.0538, 31.2389, 37.3512

Triad

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



49.4183, 31.2389, 75.3766



30.8352, 31.2389, 3.0460



15.3298, 31.2389, 66.2512

Complementary

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



49.4183, 31.2389, 75.3766



35.6399, 58.4571, 22.5031

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.



14.0338, 31.2389, 30.8814



49.4183, 31.2389, 75.3766



21.6782, 31.2389, 4.3958

Square

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



49.4183, 31.2389, 75.3766



41.8823, 31.2389, 5.2753



16.0681, 31.2389, 11.4804



20.1308, 31.2389, 106.4494

Rectangle

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



49.4183, 31.2389, 75.3766



52.8680, 31.2389, 20.2162



16.0681, 31.2389, 11.4804



14.5256, 31.2389, 52.9853

Sweetspot

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



49.4194, 31.2403, 75.3772



83.1417, 76.5479, 105.0009



24.5951, 18.7504, 74.2748



17.5088, 15.8206, 22.3808



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.



49.4194, 31.2403, 75.3772



61.8911, 35.1550, 98.1313



43.2935, 28.8619, 39.8659



14.2717, 13.9236, 17.3230



25.0799, 12.0245, 42.0475



1.7456, 0.8372, 2.9148

Inverse Universe

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



38.9168, 27.1113, 16.8187



46.7635, 29.2185, 13.2924



39.5142, 59.9797, 44.1307



13.7163, 13.7042, 14.2763



17.9090, 9.2306, 0.9206



1.2446, 0.6411, 0.0809

Previews

White Background



This preview shows how the XYZ color 49.4183, 31.2389, 75.3766 looks on a white background.

Color Contrast Check

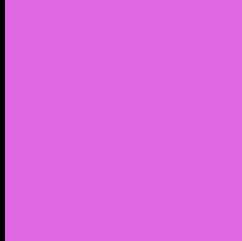
Large Text (above 18pt) WCAG AA × Fail

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 49.4183, 31.2389, 75.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

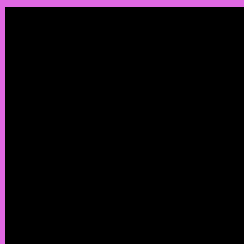
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4183, 31.2389, 75.3766

Background



This preview shows how black text looks on a background with the XYZ color 49.4183, 31.2389, 75.3766.



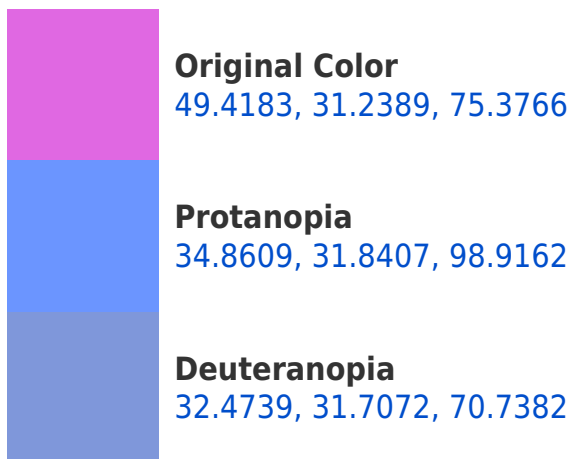
This preview shows how white text looks on a background with the XYZ color 49.4183, 31.2389,

75.3766.

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

39.4739, 31.1025, 27.2154

Trichromacy



Original Color

49.4183, 31.2389, 75.3766



Protanomaly

37.2943, 29.7907, 89.3725



Deuteranomaly

36.4765, 29.9520, 72.2654



Tritanomaly

42.3735, 30.8099, 41.2497

Monochromacy



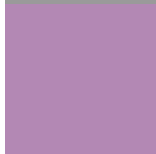
Original Color

49.4183, 31.2389, 75.3766



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

35.6328, 30.4873, 47.1866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4183, 31.2389, 75.3766 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(224, 104, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 104, 226)  
}
```

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(224, 104, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 104, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.4183, 31.2389, 75.3766 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(224, 104, 226) }
```


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

```
.border{ border-color:rgb(224, 104, 226) }
```

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

Here you see how a box with a 4 pixel rgb(224, 104, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 104, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 104, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 104,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4183, 31.2389, 75.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 104, 226) }
```

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

```
.background{ background-color: rgb(224,  
104, 226) }
```

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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