

Converting Colors

XYZ(49.0825, 38.3471, 64.4893)

Have a look what the booklet for
XYZ(49.0825, 38.3471, 64.4893)
contains.

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Color

**XYZ(49.0825, 38.3471,
64.4893)**

Conversions

Conversions Part 1	
Format	Color
Hex	D78ED0
RGB	215, 142, 208
RGB Percent	84%, 56%, 82%
CMY	0.1569, 0.4431, 0.1843
CMYK	0.00, 0.34, 0.03, 0.16
HSL	306°, 48%, 70%
HSV	306°, 34%, 84%
XYZ	49.0825, 38.3471, 64.4893
YIQ	171.3510, 22.3220, 36.0020

Conversions

Conversions Part 2

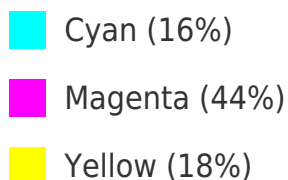
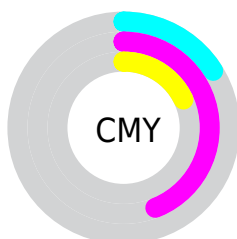
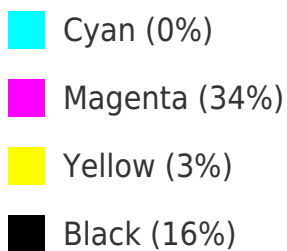
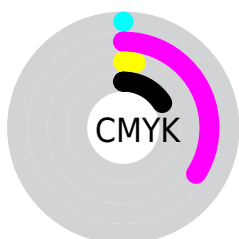
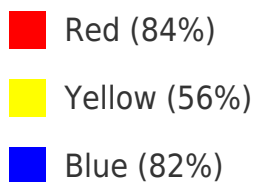
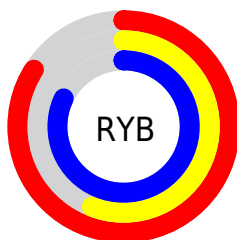
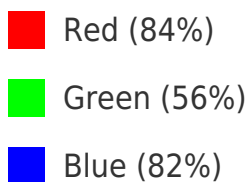
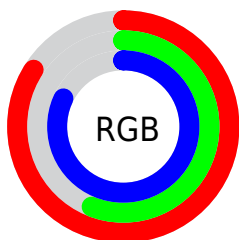
Format	Color
RYB	215, 142, 208
Decimal	14126800
CIELab	68.28, 37.89, -22.66
CIELCh	68, 44.144, 329.119
Yxy	38.3471, 0.3231, 0.2524
Android (android.graphics.Color)	4292316880 (0xFFD78ED0)
YUV	171.3510, 18.0680, 38.2802
Hunter-Lab	61.9250, 33.1124, -18.3976

Details

The XYZ color **49.0825, 38.3471, 64.4893** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.8822, 56.5229, 37.1913**, and the grayscale version is **38.7902, 40.8103, 44.4425**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **23.7040, 16.9832, 32.1657** is the 20% darker color. If you saturate the color by 10%, you get **45.9352, 32.4552, 62.1970**, and if you desaturate by 10%, it is **52.8524, 45.4776, 67.0062**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0825, 38.3471, 64.4893 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 49.0825, 38.3471, 64.4893 by changing the saturation by 10% instead.


 49.0825, 38.3471,
64.4893


 49.0825, 38.3471,
64.4893


373.5786,
339.1066, 459.2103

 34.8997, 26.2522,
46.5984


 88.0140, 72.6398,
112.9215

 23.7518, 17.0124,
32.3662


 113.4934, 95.6065,
144.2999

 15.2733, 10.2433,
21.3742


143.4690,
122.9658, 181.0113

 9.0990, 5.5606,
13.2039

178.3063,
155.1022, 223.4740

 4.8635, 2.5798,
7.4367

218.3705,
192.4001, 272.1068

 2.2013, 0.9165,
3.6541


264.0271,

 0.7434, 0.0000,


235.2438, 327.3280


1.4376


315.6413,
284.0179, 389.5564


 0.0000, 0.0000,
0.1708


 0.0000, 0.0000,
0.0000


 49.0825, 38.3471,
64.4893

 49.0825, 38.3471,
64.4893


 45.9352, 32.4552,
62.1970


 52.8524, 45.4776,
67.0062


 43.3713, 27.7255,
60.1151


 57.2742, 53.9071,
69.7563


 41.3528, 24.0814,
58.2310


 62.3793, 63.6981,
72.7505


 39.8356, 21.4346,
56.5302


 68.1964, 74.9077,
75.9986


 38.7687, 19.6833,
54.9955


 74.7524, 87.5898,
79.5095


 38.0904, 18.7039,
53.6063

 76.7524, 91.1543,
81.5182

 37.8053, 18.3595,
52.8155

 77.0278, 91.2645,
82.9688

 77.3067, 91.3761,
84.4372

 77.5889, 91.4890,
85.9234

Harmonies

Analogous

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



43.3039, 38.3471, 84.6029



49.0825, 38.3471, 64.4893



51.4137, 38.3471, 42.3412

Triad

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



49.0825, 38.3471, 64.4893



36.6524, 38.3471, 14.0912



26.0283, 38.3471, 63.1448

Complementary

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



49.0825, 38.3471, 64.4893



40.8822, 56.5229, 37.1913

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.



24.7106, 38.3471, 41.1712



49.0825, 38.3471, 64.4893



30.3565, 38.3471, 16.5512

Square

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



49.0825, 38.3471, 64.4893



43.7020, 38.3471, 16.8689



26.1918, 38.3471, 25.1089



30.0443, 38.3471, 83.6696

Rectangle

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



49.0825, 38.3471, 64.4893



50.4992, 38.3471, 30.4883



26.1918, 38.3471, 25.1089



25.2794, 38.3471, 55.4992

Sweetspot

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



49.0837, 38.3488, 64.4901



87.0566, 84.6392, 104.3055



34.1683, 30.5579, 68.3883



18.4113, 17.6902, 22.1939



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.



49.0837, 38.3488, 64.4901



68.6957, 49.8075, 92.3581



45.1853, 36.7894, 43.9611



12.8993, 12.6112, 15.4099



22.6335, 10.9897, 31.7036



1.3804, 0.6690, 1.9926

Inverse Universe

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



49.0837, 38.3488, 64.4901



68.6957, 49.8075, 92.3581



44.1702, 57.8381, 54.5060



12.8993, 12.6112, 15.4099



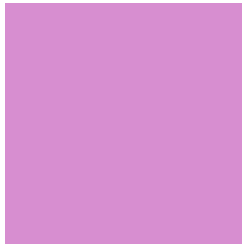
22.6335, 10.9897, 31.7036



1.3804, 0.6690, 1.9926

Previews

White Background



This preview shows how the XYZ color 49.0825, 38.3471, 64.4893 looks on a white background.

Color Contrast Check

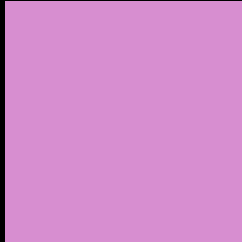
Large Text (above 18pt) WCAG AA × Fail

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 49.0825, 38.3471, 64.4893 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 49.0825, 38.3471, 64.4893

Background



This preview shows how black text looks on a background with the XYZ color 49.0825, 38.3471, 64.4893.



This preview shows how white text looks on a background with the XYZ color 49.0825, 38.3471,

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

49.0825, 38.3471, 64.4893

Protanopia

39.6234, 38.8305, 76.6408

Deuteranopia

39.3061, 38.4465, 62.4760



Tritanopia

43.9720, 38.3329, 39.7317

Trichromacy



Original Color
49.0825, 38.3471, 64.4893



Protanomaly
42.2987, 38.2271, 72.1670

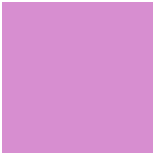


Deuteranomaly
42.2692, 37.9177, 62.8486



Tritanomaly
45.5906, 38.2834, 47.6344

Monochromacy



Original Color
49.0825, 38.3471, 64.4893



Achromatopsia
38.7082, 40.7240, 44.3485



Achromatomaly
41.7161, 39.1671, 50.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0825, 38.3471, 64.4893 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(215, 142, 208) looks like.

```
.text, #text, p{  
    color:rgb(215, 142, 208)  
}
```

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(215, 142, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 142, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.0825, 38.3471, 64.4893 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(215, 142, 208) }
```


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

```
.border{ border-color:rgb(215, 142, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 142, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 142, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 142, 208);  
box-shadow:4px 4px 4px 4px rgb(215, 142,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0825, 38.3471, 64.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 142, 208) }
```

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

```
.background{ background-color: rgb(215,  
142, 208) }
```

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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