

Converting Colors

XYZ(49.3807, 44.9642, 76.5973)

Have a look what the booklet for
XYZ(49.3807, 44.9642, 76.5973)
contains.

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Color

**XYZ(49.3807, 44.9642,
76.5973)**

Conversions

Conversions Part 1

Format	Color
Hex	C0A9E0
RGB	192, 169, 224
RGB Percent	75%, 66%, 88%
CMY	0.2471, 0.3372, 0.1216
CMYK	0.14, 0.25, 0.00, 0.12
HSL	265°, 47%, 77%
HSV	265°, 25%, 88%
XYZ	49.3807, 44.9642, 76.5973
YIQ	182.1470, -3.9470, 21.9810

Conversions

Conversions Part 2

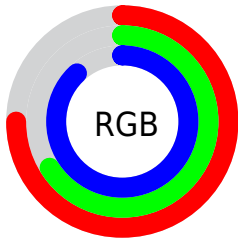
Format	Color
RYB	192, 169, 224
Decimal	12626400
CIELab	72.87, 18.90, -24.65
CIELCh	73, 31.065, 307.476
Yxy	44.9642, 0.2889, 0.2630
Android (android.graphics.Color)	4290816480 (0xFFC0A9E0)
YUV	182.1470, 20.6335, 8.6411
Hunter-Lab	67.0554, 14.1036, -20.7882

Details

The XYZ color **49.3807, 44.9642, 76.5973** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.9060, 68.5945, 47.7262**, and the grayscale version is **44.4373, 46.7515, 50.9124**.

A 20% lighter version of the original color is **83.7726, 80.6710, 105.7635**, and **24.0040, 20.9904, 40.3225** is the 20% darker color. If you saturate the color by 10%, you get **42.4101, 35.7064, 75.1785**, and if you desaturate by 10%, it is **57.3603, 55.8042, 78.2698**.

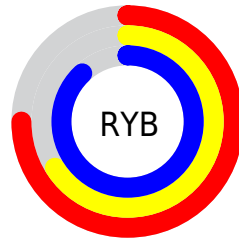
Distribution



Red (75%)

Green (66%)

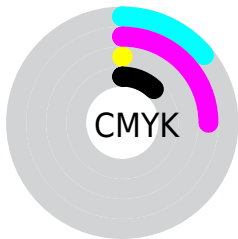
Blue (88%)



Red (75%)

Yellow (66%)

Blue (88%)

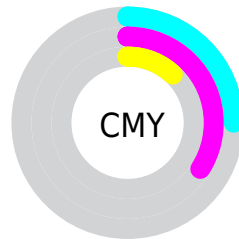


Cyan (14%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (25%)


Magenta (34%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3807, 44.9642, 76.5973 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 49.3807, 44.9642, 76.5973 by changing the saturation by 10% instead.


 49.3807, 44.9642,
76.5973


 49.3807, 44.9642,
76.5973


374.7313,
366.6285, 502.7911

 35.1374, 31.4292,
56.4128


 88.4539, 82.6667,
130.3387

 23.9357, 20.9259,
40.1278


 114.0145,
107.6030, 164.7327

 15.4104, 13.0699,
27.3237


144.0783,
137.1085, 204.7003

 9.1961, 7.4767,
17.5819

179.0105,
171.5677, 250.6600

 4.9275, 3.7620,
10.4839

219.1765,
211.3649, 303.0304

 2.2391, 1.5413,
5.6112

264.9418,

 0.7632, 0.3175,

256.8845, 362.2300

2.5452

316.6716,
308.5109, 428.6774

■ 0.0000, 0.0000,
0.8640

■ 0.0000, 0.0000,
0.0000

■ 49.3807, 44.9642,
76.5973

■ 49.3807, 44.9642,
76.5973

■ 42.4101, 35.7064,
75.1785

■ 57.3603, 55.8042,
78.2698

■ 36.4003, 27.9484,
73.9978

■ 66.3856, 68.2920,
80.2045

■ 31.3053, 21.6089,
73.0427

■ 76.4967, 82.4964,
82.4133

■ 27.0731, 16.5964,
72.2982

■ 86.5696, 96.1590,
84.5195

■ 23.6460, 12.8080,
71.7476

■ 90.4547, 98.1619,
84.7014

■ 20.9580, 10.1250,
71.3714

■ 18.9297, 8.4032,
71.1460

■ 18.0370, 7.7441,
71.0658

Harmonies

Analogous

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



44.1043, 44.9642, 84.8167



49.3807, 44.9642, 76.5973



53.0792, 44.9642, 61.2746

Triad

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



49.3807, 44.9642, 76.5973



46.8453, 44.9642, 26.2814



33.2345, 44.9642, 52.9359

Complementary

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



49.3807, 44.9642, 76.5973



57.9060, 68.5945, 47.7262

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.



33.8340, 44.9642, 38.4141



49.3807, 44.9642, 76.5973



41.3985, 44.9642, 24.9706

Square

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



49.3807, 44.9642, 76.5973



51.5314, 44.9642, 32.9834



36.7179, 44.9642, 28.9245



35.0050, 44.9642, 69.4033

Rectangle

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



49.3807, 44.9642, 76.5973



53.9892, 44.9642, 50.2816



36.7179, 44.9642, 28.9245



33.1683, 44.9642, 47.6586

Sweetspot

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



49.3821, 44.9661, 76.5983



85.8994, 87.2184, 106.9152



50.7244, 55.6306, 78.5860



18.2244, 18.4439, 22.8494



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.



49.3821, 44.9661, 76.5983



61.7278, 54.2812, 101.8317



56.9827, 48.8843, 76.9540



13.4924, 13.5219, 17.2865



10.6231, 4.5717, 41.3709



0.8367, 0.3686, 2.8723

Inverse Universe

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



55.4725, 48.4421, 61.6868



71.2390, 59.7141, 78.3468



51.1815, 65.1279, 47.4115



14.0400, 13.8336, 15.9807



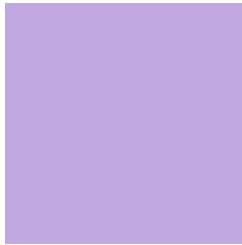
20.3100, 10.1910, 13.5644



1.4521, 0.7241, 1.1738

Previews

White Background



This preview shows how the XYZ color 49.3807, 44.9642, 76.5973 looks on a white background.

Color Contrast Check

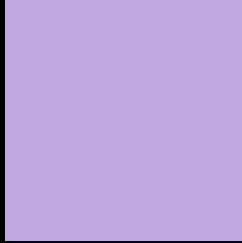
Large Text (above 18pt) WCAG AA × Fail

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 49.3807, 44.9642, 76.5973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

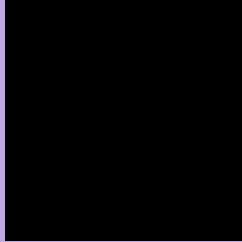
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3807, 44.9642, 76.5973

Background



This preview shows how black text looks on a background with the XYZ color 49.3807, 44.9642, 76.5973.



This preview shows how white text looks on a background with the XYZ color 49.3807, 44.9642,

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

49.3807, 44.9642, 76.5973

Protanopia

45.5221, 45.1568, 81.1798

Deuteranopia

46.1048, 44.9863, 76.0653



Tritanopia

44.7650, 44.7732, 54.4268

Trichromacy



Original Color

49.3807, 44.9642, 76.5973

Protanomaly

46.8188, 44.9875, 79.6146

Deuteranomaly

47.3189, 45.0386, 76.0114

Tritanomaly

46.3433, 44.8428, 62.0901

Monochromacy



Original Color

49.3807, 44.9642, 76.5973

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.0499, 45.9146, 59.2586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3807, 44.9642, 76.5973 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(192, 169, 224)` looks like.

```
.text, #text, p{  
    color:rgb(192, 169, 224)  
}
```

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(192, 169, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 169, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.3807, 44.9642, 76.5973 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(192, 169, 224) }
```


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

```
.border{ border-color:rgb(192, 169, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 169, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 169, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 169, 224);  
box-shadow:4px 4px 4px 4px rgb(192, 169,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3807, 44.9642, 76.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 169, 224) }
```

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

```
.background{ background-color: rgb(192,  
169, 224) }
```

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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