

Converting Colors

XYZ(49.8243, 45.5096, 75.7688)

Have a look what the booklet for
XYZ(49.8243, 45.5096, 75.7688)
contains.

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Color

**XYZ(49.9421, 45.5465,
75.9712)**

Conversions

Conversions Part 1

Format	Color
Hex	C2AADF
RGB	194, 170, 223
RGB Percent	76%, 67%, 87%
CMY	0.2392, 0.3333, 0.1255
CMYK	0.13, 0.24, 0.00, 0.13
HSL	267°, 45%, 77%
HSV	267°, 24%, 87%
XYZ	49.9421, 45.5465, 75.9712
YIQ	183.2180, -2.7090, 21.5710

Conversions

Conversions Part 2

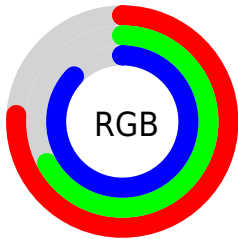
Format	Color
RYB	194, 170, 223
Decimal	12757727
CIELab	73.25, 18.77, -23.51
CIELCh	73, 30.084, 308.607
Yxy	45.5465, 0.2913, 0.2656
Android (android.graphics.Color)	4290947807 (0xFFC2AADF)
YUV	183.2180, 19.6125, 9.4558
Hunter-Lab	67.4881, 13.9880, -19.5009

Details

The XYZ color **49.9421, 45.5465, 75.9712** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.1982, 67.8210, 48.1084**, and the grayscale version is **45.0274, 47.3723, 51.5884**.

A 20% lighter version of the original color is **84.7589, 81.5797, 105.8869**, and **24.3615, 21.3595, 39.8846** is the 20% darker color. If you saturate the color by 10%, you get **43.1070, 36.3356, 74.5543**, and if you desaturate by 10%, it is **57.7463, 56.3119, 77.6385**.

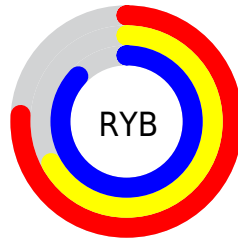
Distribution



Red (76%)

Green (67%)

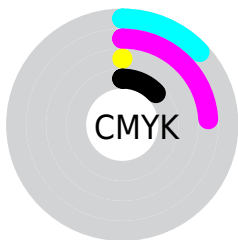
Blue (87%)



Red (76%)

Yellow (67%)

Blue (87%)

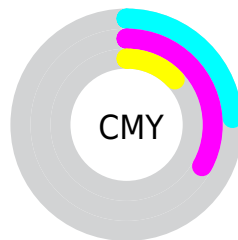


Cyan (13%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9421, 45.5465, 75.9712 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 49.9421, 45.5465, 75.9712 by changing the saturation by 10% instead.

49.9421, 45.5465,
75.9712

49.9421, 45.5465,
75.9712

376.8952,
368.9824, 500.5933

35.5850, 31.8881,
55.9024

89.2814, 83.5399,
129.4459

24.2825, 21.2760,
39.7212

114.9944,
108.6437, 163.6889

15.6692, 13.3259,
27.0091

145.2233,
138.3314, 203.4936

9.3797, 7.6534,
17.3476

180.3335,
172.9874, 249.2787

5.0488, 3.8740,
10.3180

220.6905,
212.9961, 301.4627

2.3110, 1.6033,
5.5020

266.6596,

0.8003, 0.3598,

258.7419, 360.4641

2.4809

318.6060,
310.6092, 426.7015

■ 0.0000, 0.0000,
0.8300

■ 0.0000, 0.0000,
0.0000

■ 49.9421, 45.5465,
75.9712

■ 49.9421, 45.5465,
75.9712

■ 43.1070, 36.3356,
74.5543

■ 57.7463, 56.3119,
77.6385

■ 37.1949, 28.5987,
73.3725

■ 66.5545, 68.6957,
79.5646

■ 32.1618, 22.2568,
72.4137

■ 76.4049, 82.7649,
81.7610

■ 27.9583, 17.2207,
71.6632

■ 85.9765, 95.8689,
83.7859

■ 24.5293, 13.3906,
71.1046

■ 90.3194, 98.1078,
83.9892

■ 21.8119, 10.6515,
70.7191

■ 19.7309, 8.8642,
70.4838

■ 18.6837, 8.0932,
70.3902

Harmonies

Analogous

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



44.8284, 45.5465, 84.2688



49.9421, 45.5465, 75.9712



53.4523, 45.5465, 60.9766

Triad

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



49.9421, 45.5465, 75.9712



47.1018, 45.5465, 27.1406



34.0052, 45.5465, 54.0741

Complementary

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



49.9421, 45.5465, 75.9712



57.1982, 67.8210, 48.1084

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.



34.5060, 45.5465, 39.7214



49.9421, 45.5465, 75.9712



41.7883, 45.5465, 26.0344

Square

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



49.9421, 45.5465, 75.9712



51.7219, 45.5465, 33.5670



37.2575, 45.5465, 30.1586



35.8292, 45.5465, 70.0459

Rectangle

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



49.9421, 45.5465, 75.9712



54.2582, 45.5465, 50.3027



37.2575, 45.5465, 30.1586



33.9105, 45.5465, 48.8888

Sweetspot

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



49.9435, 45.5484, 75.9722



86.1151, 87.3296, 106.9253



50.3565, 54.7914, 77.7345



18.2743, 18.4696, 22.8518



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.



49.9435, 45.5484, 75.9722



62.4721, 54.6649, 101.8665



57.3166, 49.3493, 76.3173



13.5386, 13.5457, 17.2887



11.1122, 4.8238, 41.3938



0.8724, 0.3870, 2.8740

Inverse Universe

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



55.1165, 48.5629, 60.5036



70.8939, 59.5760, 76.5295



50.8013, 64.5232, 47.8091



14.0194, 13.8254, 15.8726



20.0173, 10.0739, 12.0230



1.4325, 0.7163, 1.0703

Previews

White Background



This preview shows how the XYZ color 49.9421, 45.5465, 75.9712 looks on a white background.

Color Contrast Check

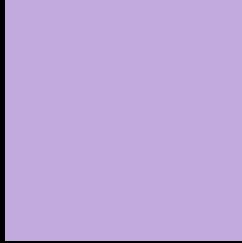
Large Text (above 18pt) WCAG AA × Fail

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 49.9421, 45.5465, 75.9712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

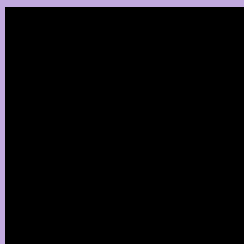
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9421, 45.5465, 75.9712

Background



This preview shows how black text looks on a background with the XYZ color 49.9421, 45.5465, 75.9712.



This preview shows how white text looks on a background with the XYZ color 49.9421, 45.5465,

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

49.9421, 45.5465, 75.9712

Protanopia

45.9996, 45.7134, 80.5279

Deuteranopia

46.6146, 45.5547, 75.4433



Tritanopia

45.8059, 45.5872, 55.1002

Trichromacy



Original Color

49.9421, 45.5465, 75.9712

Protanomaly

47.3266, 45.5531, 78.9713

Deuteranomaly

47.8493, 45.6133, 75.3896

Tritanomaly

47.2826, 45.6127, 62.1892

Monochromacy



Original Color

49.9421, 45.5465, 75.9712

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.6070, 46.4828, 59.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9421, 45.5465, 75.9712 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(194, 170, 223)` looks like.

```
.text, #text, p{  
    color:rgb(194, 170, 223)  
}
```

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(194, 170, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 170, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.9421, 45.5465, 75.9712 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(194, 170, 223) }
```


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

```
.border{ border-color:rgb(194, 170, 223) }
```

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

Here you see how a box with a 4 pixel rgb(194, 170, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 170, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 170, 223);  
box-shadow:4px 4px 4px 4px rgb(194, 170,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9421, 45.5465, 75.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 170, 223) }
```

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

```
.background{ background-color: rgb(194,  
170, 223) }
```

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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