

Converting Colors

XYZ(49.0974, 44.9700, 76.6476)

Have a look what the booklet for
XYZ(49.0974, 44.9700, 76.6476)
contains.

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Color

**XYZ(49.0645, 45.0784,
76.6360)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAAE0
RGB	190, 170, 224
RGB Percent	75%, 67%, 88%
CMY	0.2549, 0.3333, 0.1216
CMYK	0.15, 0.24, 0.00, 0.12
HSL	262°, 47%, 77%
HSV	262°, 24%, 88%
XYZ	49.0645, 45.0784, 76.6360
YIQ	182.1360, -5.4140, 21.0340

Conversions

Conversions Part 2

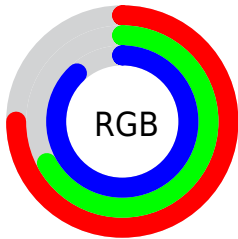
Format	Color
R _{YB}	190, 170, 224
Decimal	12495584
CIE Lab	72.94, 17.72, -24.55
CIE LCh	73, 30.279, 305.813
Yxy	45.0784, 0.2873, 0.2640
Android (android.graphics.Color)	4290685664 (0xFFBEAAE0)
YUV	182.1360, 20.6390, 6.8967
Hunter-Lab	67.1404, 12.9474, -20.6770

Details

The XYZ color **49.0645, 45.0784, 76.6360** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.8145, 69.0520, 48.2607**, and the grayscale version is **44.4319, 46.7458, 50.9062**.

A 20% lighter version of the original color is **83.3330, 80.8446, 105.8202**, and **23.7932, 21.0557, 40.3462** is the 20% darker color. If you saturate the color by 10%, you get **41.8641, 35.6559, 75.1975**, and if you desaturate by 10%, it is **57.3242, 56.1112, 78.3309**.

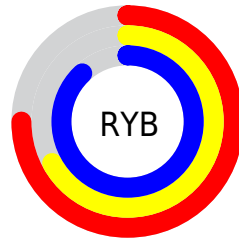
Distribution



Red (75%)

Green (67%)

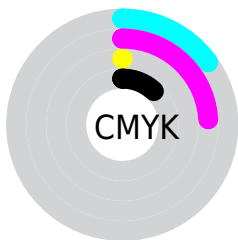
Blue (88%)



Red (75%)

Yellow (67%)

Blue (88%)

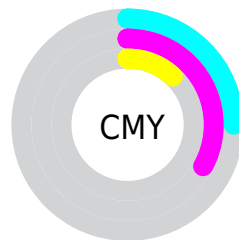


Cyan (15%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (25%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0645, 45.0784, 76.6360 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 49.0645, 45.0784, 76.6360 by changing the saturation by 10% instead.

■ 49.0645, 45.0784,
76.6360

■ 49.0645, 45.0784,
76.6360

373.5089,
367.0910, 502.9267

■ 34.8854, 31.5192,
56.4444

■ 87.9874, 82.8380,
130.3938

■ 23.7407, 20.9945,
40.1530

113.4619,
107.8073, 164.7972

■ 15.2651, 13.1200,
27.3431

143.4322,
137.3486, 204.7748

■ 9.0932, 7.5112,
17.5964

178.2637,
171.8465, 250.7453

■ 4.8596, 3.7838,
10.4942

218.3218,
211.6852, 303.1272

■ 2.1990, 1.5534,
5.6179

263.9718,

■ 0.7422, 0.3259,

257.2493, 362.3391

2.5492

315.5791,
308.9231, 428.7994

■ 0.0000, 0.0000,
0.8661

■ 0.0000, 0.0000,
0.0000

■ 49.0645, 45.0784,
76.6360

■ 49.0645, 45.0784,
76.6360

■ 41.8641, 35.6559,
75.1975

■ 57.3242, 56.1112,
78.3309

■ 35.6727, 27.7606,
73.9999

■ 66.6817, 68.8209,
80.2910

■ 30.4422, 21.3104,
73.0305

■ 77.1789, 83.2770,
82.5280

■ 26.1187, 16.2129,
72.2745

■ 87.3676, 96.5704,
84.5569

■ 22.6420, 12.3645,
71.7149

■ 90.4547, 98.1619,
84.7014

■ 19.9439, 9.6460,
71.3324

■ 17.9427, 7.9131,
71.1034

■ 17.0185, 7.2191,
71.0181

Harmonies

Analogous

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



43.8820, 45.0784, 84.0604



49.0645, 45.0784, 76.6360



52.7893, 45.0784, 61.9845

Triad

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



49.0645, 45.0784, 76.6360



47.1411, 45.0784, 27.0515



33.5190, 45.0784, 52.0864

Complementary

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



49.0645, 45.0784, 76.6360



58.8145, 69.0520, 48.2607

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.



34.2364, 45.0784, 38.1083



49.0645, 45.0784, 76.6360



41.8258, 45.0784, 25.4682

Square

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



49.0645, 45.0784, 76.6360



51.6165, 45.0784, 33.9605



37.1759, 45.0784, 29.0795



35.1293, 45.0784, 68.1358

Rectangle

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



49.0645, 45.0784, 76.6360



53.7886, 45.0784, 51.2364



37.1759, 45.0784, 29.0795



33.4977, 45.0784, 46.9902

Sweetspot

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



49.0659, 45.0803, 76.6370



85.6030, 87.0656, 106.9013



51.6740, 57.2102, 78.8409



18.1558, 18.4085, 22.8462



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.



49.0659, 45.0803, 76.6370



60.7198, 53.7616, 101.7845



56.3864, 48.8541, 76.9796



13.4291, 13.4893, 17.2836



10.0224, 4.2621, 41.3428



0.7912, 0.3452, 2.8702

Inverse Universe

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



56.0156, 48.9581, 63.6259



71.7238, 59.9080, 80.8997



52.0899, 65.5853, 47.9460



14.0685, 13.8450, 16.1307



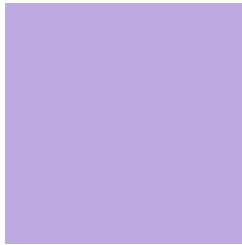
20.7506, 10.3672, 15.8843



1.4811, 0.7357, 1.3264

Previews

White Background



This preview shows how the XYZ color 49.0645, 45.0784, 76.6360 looks on a white background.

Color Contrast Check

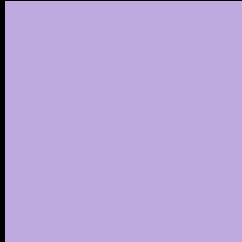
Large Text (above 18pt) WCAG AA × Fail

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 49.0645, 45.0784, 76.6360 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 49.0645, 45.0784, 76.6360

Background



This preview shows how black text looks on a background with the XYZ color 49.0645, 45.0784, 76.6360.



This preview shows how white text looks on a background with the XYZ color 49.0645, 45.0784,

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

49.0645, 45.0784, 76.6360

Protanopia

45.5909, 45.2084, 80.4519

Deuteranopia

46.1048, 44.9863, 76.0653



Tritanopia

44.5868, 44.9587, 55.0431

Trichromacy



Original Color

49.0645, 45.0784, 76.6360

Protanomaly

46.6804, 44.9321, 78.8855

Deuteranomaly

47.0852, 44.9182, 76.0004

Tritanomaly

46.0464, 44.9755, 62.1313

Monochromacy



Original Color

49.0645, 45.0784, 76.6360

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.0060, 46.1863, 59.3134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0645, 45.0784, 76.6360 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(190, 170, 224)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 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(190, 170, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.0645, 45.0784, 76.6360 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(190, 170, 224) }
```


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

```
.border{ border-color:rgb(190, 170, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 224);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0645, 45.0784, 76.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 224) }
```

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

```
.background{ background-color: rgb(190,  
170, 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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