

Converting Colors

XYZ(49.7407, 41.6230, 58.6677)

Have a look what the booklet for
XYZ(49.7407, 41.6230, 58.6677)
contains.

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Color

**XYZ(49.7730, 41.6355,
58.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	D79AC6
RGB	215, 154, 198
RGB Percent	84%, 60%, 78%
CMY	0.1569, 0.3961, 0.2235
CMYK	0.00, 0.28, 0.08, 0.16
HSL	317°, 43%, 72%
HSV	317°, 28%, 84%
XYZ	49.7730, 41.6355, 58.8392
YIQ	177.2550, 22.2320, 26.6160

Conversions

Conversions Part 2

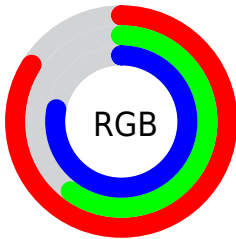
Format	Color
RYB	215, 154, 198
Decimal	14129862
CIELab	70.62, 29.66, -13.56
CIELCh	71, 32.612, 335.428
Yxy	41.6355, 0.3313, 0.2771
Android (android.graphics.Color)	4292319942 (0xFFD79AC6)
YUV	177.2550, 10.2273, 33.1024
Hunter-Lab	64.5256, 24.7695, -8.8971

Details

The XYZ color **49.7730, 41.6355, 58.8392** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.9793, 58.4125, 47.4348**, and the grayscale version is **41.8647, 44.0450, 47.9650**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **24.0835, 18.8873, 28.7618** is the 20% darker color. If you saturate the color by 10%, you get **45.8600, 34.8932, 54.1922**, and if you desaturate by 10%, it is **54.3514, 49.6635, 63.8439**.

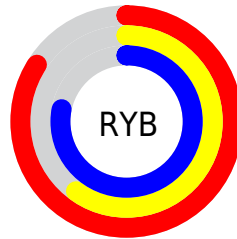
Distribution



Red (84%)

Green (60%)

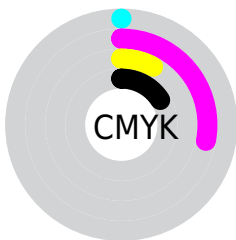
Blue (78%)



Red (84%)

Yellow (60%)

Blue (78%)

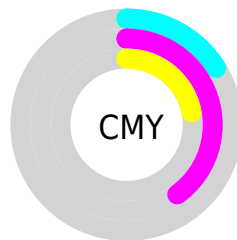


Cyan (0%)

Magenta (28%)

Yellow (8%)

Black (16%)



Cyan (16%)


Magenta (40%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7730, 41.6355, 58.8392 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 49.7730, 41.6355, 58.8392 by changing the saturation by 10% instead.


 49.7730, 41.6355,
58.8392


 49.7730, 41.6355,
58.8392


376.2442,
352.9697, 437.9910

 35.4501, 28.8160,
42.0645

 89.0323, 77.6477,
104.6707

 24.1780, 18.9417,
28.8259


 114.6994,
101.6091, 134.5647

 15.5911, 11.6281,
18.7047


144.8787,
130.0533, 169.6688

 9.3243, 6.4910,
11.2824

179.9354,
163.3647, 210.4017

 5.0121, 3.1459,
6.1406

220.2350,
201.9276, 257.1818

 2.2892, 1.2084,
2.8606

266.1427,

 0.7891, 0.0685,

246.1265, 310.4277

1.0239

318.0240,
296.3457, 370.5579

■ 0.0000, 0.0000,
0.0000

■ 49.7730, 41.6355,
58.8392

■ 49.7730, 41.6355,
58.8392

■ 45.8600, 34.8932,
54.1922

■ 54.3514, 49.6635,
63.8439

■ 42.5743, 29.3630,
49.8872

■ 59.6232, 59.0346,
69.2156

■ 39.8799, 24.9726,
45.9112

■ 65.6191, 69.8093,
74.9667

■ 37.7351, 21.6393,
42.2486

■ 72.3672, 82.0430,
81.1080

■ 36.0930, 19.2695,
38.8821

■ 77.7830, 91.5666,
86.9459

■ 34.8982, 17.7530,
35.7917

■ 78.6294, 91.9052,
91.4030

■ 34.0681, 16.9255,
32.9482

■ 79.5050, 92.2554,
96.0135

■ 33.9476, 16.8164,
32.5015

■ 80.4099, 92.6173,
100.7788

■ 81.3445, 92.9912,
105.7004

Harmonies

Analogous

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



45.8939, 41.6355, 74.0951



49.7730, 41.6355, 58.8392



50.8203, 41.6355, 42.5824

Triad

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



49.7730, 41.6355, 58.8392



38.6005, 41.6355, 21.7301



31.7106, 41.6355, 64.8206

Complementary

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



49.7730, 41.6355, 58.8392



44.9793, 58.4125, 47.4348

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.



30.1216, 41.6355, 48.2016



49.7730, 41.6355, 58.8392



33.8614, 41.6355, 25.1849

Square

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



49.7730, 41.6355, 58.8392



44.0440, 41.6355, 23.3338



30.8719, 41.6355, 34.0716



35.4158, 41.6355, 78.0617

Rectangle

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



49.7730, 41.6355, 58.8392



49.6968, 41.6355, 33.7405



30.8719, 41.6355, 34.0716



30.9274, 41.6355, 59.3186

Sweetspot

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



49.7743, 41.6374, 58.8401



87.1478, 85.8162, 101.2697



40.4585, 36.5955, 69.2220



18.3976, 17.9119, 21.4212



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.



49.7743, 41.6374, 58.8401



69.6987, 55.1364, 82.4487



46.6711, 40.3961, 42.4993



12.7985, 12.5709, 14.8792



20.3517, 10.0770, 19.6877



1.2619, 0.6215, 1.3684

Inverse Universe

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



49.7743, 41.6374, 58.8401



69.6987, 55.1364, 82.4487



48.1435, 59.6782, 64.0974



12.7985, 12.5709, 14.8792



20.3517, 10.0770, 19.6877



1.2619, 0.6215, 1.3684

Previews

White Background



This preview shows how the XYZ color 49.7730, 41.6355, 58.8392 looks on a white background.

Color Contrast Check

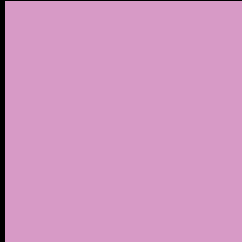
Large Text (above 18pt) WCAG AA × Fail

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 49.7730, 41.6355, 58.8392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

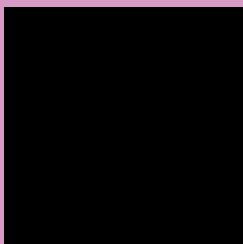
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7730, 41.6355, 58.8392

Background



This preview shows how black text looks on a background with the XYZ color 49.7730, 41.6355, 58.8392.



This preview shows how white text looks on a background with the XYZ color 49.7730, 41.6355,

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

49.7730, 41.6355, 58.8392

Protanopia

41.7128, 41.7783, 66.8383

Deuteranopia

42.6287, 41.8998, 57.4704



Tritanopia

46.9002, 41.7336, 44.1116

Trichromacy



Original Color

49.7730, 41.6355, 58.8392

Protanomaly

44.1242, 41.4338, 64.0644

Deuteranomaly

44.9775, 41.7429, 57.9112

Tritanomaly

47.8380, 41.5963, 49.2236

Monochromacy



Original Color

49.7730, 41.6355, 58.8392

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.4308, 42.9551, 51.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7730, 41.6355, 58.8392 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, 154, 198)` looks like.

```
.text, #text, p{  
    color:rgb(215, 154, 198)  
}
```

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, 154, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 154, 198) }
```

Border

The CSS property to change the border of an element to XYZ 49.7730, 41.6355, 58.8392 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, 154, 198) }
```


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

```
.border{ border-color:rgb(215, 154, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 154, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 154, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 154, 198);  
box-shadow:4px 4px 4px 4px rgb(215, 154,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7730, 41.6355, 58.8392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 154, 198) }
```

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

```
.background{ background-color: rgb(215,  
154, 198) }
```

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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