

Converting Colors

XYZ(49.8614, 40.9285, 70.9181)

Have a look what the booklet for
XYZ(49.8614, 40.9285, 70.9181)
contains.

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Color

**XYZ(49.7650, 40.8761,
70.9126)**

Conversions

Conversions Part 1

Format	Color
Hex	D098D9
RGB	208, 152, 217
RGB Percent	82%, 60%, 85%
CMY	0.1843, 0.4039, 0.1490
CMYK	0.04, 0.30, 0.00, 0.15
HSL	292°, 46%, 72%
HSV	292°, 30%, 85%
XYZ	49.7650, 40.8761, 70.9126
YIQ	176.1540, 12.5110, 32.0870

Conversions

Conversions Part 2

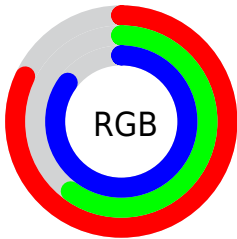
Format	Color
RYB	208, 152, 217
Decimal	13670617
CIELab	70.09, 31.92, -24.93
CIELCh	70, 40.503, 322.008
Yxy	40.8761, 0.3080, 0.2530
Android (android.graphics.Color)	4291860697 (0xFFD098D9)
YUV	176.1540, 20.1371, 27.9289
Hunter-Lab	63.9344, 27.0548, -21.0072

Details

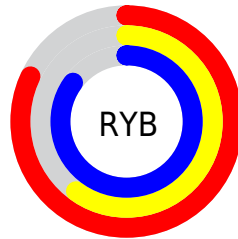
The XYZ color **49.7650, 40.8761, 70.9126** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.1797, 59.4708, 38.8055**, and the grayscale version is **41.2419, 43.3897, 47.2514**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **24.2156, 18.4953, 36.4761** is the 20% darker color. If you saturate the color by 10%, you get **45.7237, 34.0349, 69.8057**, and if you desaturate by 10%, it is **54.4693, 49.0177, 72.2368**.

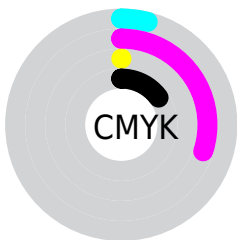
Distribution



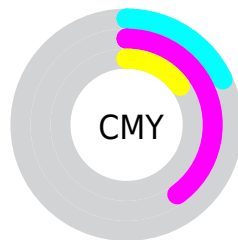
- Red (82%)
- Green (60%)
- Blue (85%)



- Red (82%)
- Yellow (60%)
- Blue (85%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)





- Cyan (18%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7650, 40.8761, 70.9126 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 49.7650, 40.8761, 70.9126 by changing the saturation by 10% instead.


 49.7650, 40.8761,
70.9126


 49.7650, 40.8761,
70.9126


376.2134,
349.8025, 482.6233

 35.4437, 28.2223,
51.7895


 89.0205, 76.4958,
122.2026

 24.1730, 18.4933,
36.4562


 114.6855,
100.2304, 155.2065

 15.5874, 11.3047,
24.4943


144.8624,
128.4275, 193.6744

 9.3217, 6.2722,
15.4851


179.9165,
161.4713, 238.0249

 5.0104, 3.0113,
9.0101

220.2134,
199.7463, 288.6765

 2.2882, 1.1376,
4.6509

266.1183,

 0.7886, 0.0099,

243.6370, 346.0477

1.9888

317.9965,
293.5275, 410.5571

■ 0.0000, 0.0000,
0.5484

■ 0.0000, 0.0000,
0.0000

■ 49.7650, 40.8761,
70.9126

■ 49.7650, 40.8761,
70.9126

■ 45.7237, 34.0349,
69.8057

■ 54.4693, 49.0177,
72.2368

■ 42.3060, 28.4183,
68.9017

■ 59.8651, 58.5194,
73.7864

■ 39.4749, 23.9511,
68.1887

■ 65.9842, 69.4436,
75.5725

■ 37.1871, 20.5474,
67.6523

■ 72.8551, 81.8474,
77.6045

35.3936, 18.1091,
67.2762

78.7235, 92.2217,
79.2976

34.0363, 16.5199,
67.0410

79.6577, 92.7033,
79.3413

33.0116, 15.5730,
66.9122

80.6084, 93.1934,
79.3858

33.0070, 15.5689,
66.9117

81.5756, 93.6920,
79.4311

82.5596, 94.1993,
79.4772

Harmonies

Analogous

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



43.8167, 40.8761, 87.5539



49.7650, 40.8761, 70.9126



52.8609, 40.8761, 49.7672

Triad

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



49.7650, 40.8761, 70.9126



40.6472, 40.8761, 17.2978



28.2099, 40.8761, 59.6047

Complementary

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



49.7650, 40.8761, 70.9126



45.1797, 59.4708, 38.8055

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.



27.5657, 40.8761, 39.6314



49.7650, 40.8761, 70.9126



34.2764, 40.8761, 18.5525

Square

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



49.7650, 40.8761, 70.9126



47.2205, 40.8761, 21.5252



29.6630, 40.8761, 25.6359



31.5349, 40.8761, 79.8395

Rectangle

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



49.7650, 40.8761, 70.9126



52.6710, 40.8761, 37.3488



29.6630, 40.8761, 25.6359



27.6891, 40.8761, 52.5262

Sweetspot

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



49.7663, 40.8779, 70.9135



87.0013, 85.6237, 106.5493



38.3513, 37.4397, 70.8515



18.3609, 17.8640, 22.7303



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.



49.7663, 40.8779, 70.9135



67.9001, 52.4139, 101.1459



49.6105, 41.1162, 56.5090



13.4279, 13.1787, 16.4882



20.0475, 9.4590, 40.5076



1.3486, 0.6385, 2.6266

Inverse Universe

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



46.2779, 39.7832, 38.9599



62.2004, 50.6565, 47.5273



45.4765, 59.3875, 49.4966



13.1291, 13.0807, 13.9411



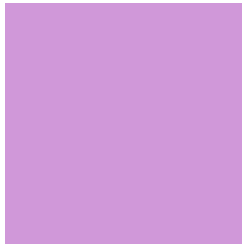
17.4871, 8.9959, 1.6794



1.1570, 0.5924, 0.2359

Previews

White Background



This preview shows how the XYZ color 49.7650, 40.8761, 70.9126 looks on a white background.

Color Contrast Check

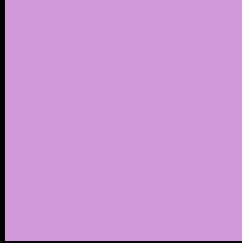
Large Text (above 18pt) WCAG AA × Fail

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 49.7650, 40.8761, 70.9126 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 49.7650, 40.8761, 70.9126

Background



This preview shows how black text looks on a background with the XYZ color 49.7650, 40.8761, 70.9126.



This preview shows how white text looks on a background with the XYZ color 49.7650, 40.8761,

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

49.7650, 40.8761, 70.9126

Protanopia

41.9885, 41.0577, 80.5748

Deuteranopia

42.0766, 41.0758, 69.3291



Tritanopia

44.6448, 41.0634, 45.1082

Trichromacy



Original Color

49.7650, 40.8761, 70.9126



Protanomaly

44.1434, 40.6293, 76.7498



Deuteranomaly

44.4775, 40.6920, 69.8001



Tritanomaly

46.3140, 40.9652, 53.6102

Monochromacy



Original Color

49.7650, 40.8761, 70.9126



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

43.9617, 42.0904, 55.0974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7650, 40.8761, 70.9126 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(208, 152, 217)` looks like.

```
.text, #text, p{  
    color:rgb(208, 152, 217)  
}
```

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(208, 152, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 152, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.7650, 40.8761, 70.9126 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(208, 152, 217) }
```


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

```
.border{ border-color:rgb(208, 152, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 152, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 152, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 152, 217);  
box-shadow:4px 4px 4px 4px rgb(208, 152,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7650, 40.8761, 70.9126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 152, 217) }
```

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

```
.background{ background-color: rgb(208,  
152, 217) }
```

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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