

Converting Colors

XYZ(49.8280, 37.4274, 64.9196)

Have a look what the booklet for
XYZ(49.8280, 37.4274, 64.9196)
contains.

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Color

**XYZ(49.8280, 37.4274,
64.9196)**

Conversions

Conversions Part 1

Format	Color
Hex	DC88D1
RGB	220, 136, 209
RGB Percent	86%, 53%, 82%
CMY	0.1372, 0.4666, 0.1804
CMYK	0.00, 0.38, 0.05, 0.14
HSL	308°, 55%, 70%
HSV	308°, 38%, 86%
XYZ	49.8280, 37.4274, 64.9196
YIQ	169.4380, 26.6310, 40.5110

Conversions

Conversions Part 2

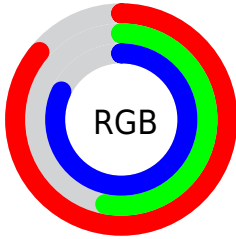
Format	Color
R _Y B	220, 136, 209
Decimal	14452945
CIE Lab	67.60, 42.83, -24.20
CIE LCh	68, 49.198, 330.534
Yxy	37.4274, 0.3274, 0.2459
Android (android.graphics.Color)	4292643025 (0xFFDC88D1)
YUV	169.4380, 19.5041, 44.3429
Hunter-Lab	61.1779, 38.3227, -20.0916

Details

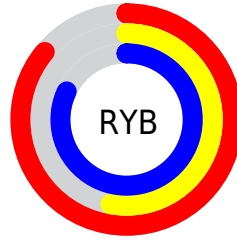
The XYZ color **49.8280, 37.4274, 64.9196** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0146, 58.5285, 36.7415**, and the grayscale version is **37.8271, 39.7971, 43.3390**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **24.1073, 16.4603, 32.4784** is the 20% darker color. If you saturate the color by 10%, you get **46.6886, 31.7136, 62.1293**, and if you desaturate by 10%, it is **53.6121, 44.4189, 67.9574**.

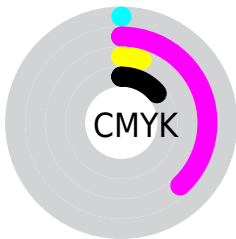
Distribution



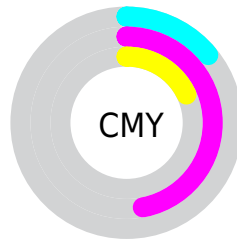
- Red (86%)
- Green (53%)
- Blue (82%)



- Red (86%)
- Yellow (53%)
- Blue (82%)



- Cyan (0%)
- Magenta (38%)
- Yellow (5%)
- Black (14%)





- Cyan (14%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8280, 37.4274, 64.9196 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 49.8280, 37.4274, 64.9196 by changing the saturation by 10% instead.


 49.8280, 37.4274,
64.9196

 49.8280, 37.4274,
64.9196


376.4561,
335.1572, 460.8013


 35.4940, 25.5386,
46.9450


 89.1133, 71.2296,
113.5464

 24.2119, 16.4788,
32.6381


 114.7954, 93.9119,
145.0357

 15.6165, 9.8636,
21.5805


 144.9908,
120.9606, 181.8669

 9.3423, 5.3086,
13.3536

180.0649,
152.7604, 224.4586

 5.0240, 2.4294,
7.5389

220.3832,
189.6956, 273.2294

 2.2963, 0.8410,
3.7179

266.3109,

 0.7928, 0.0000,

232.1505, 328.5977

1.4719

318.2134,
280.5096, 390.9822

■ 0.0000, 0.0000,
0.1968

■ 0.0000, 0.0000,
0.0000

■ 49.8280, 37.4274,
64.9196

■ 49.8280, 37.4274,
64.9196

■ 46.6886, 31.7136,
62.1293

■ 53.6121, 44.4189,
67.9574

■ 44.1511, 27.1941,
59.5709

■ 58.0733, 52.7547,
71.2525

■ 42.1732, 23.7836,
57.2306

■ 63.2458, 62.5028,
74.8169

■ 40.7054, 21.3832,
55.0916

■ 69.1608, 73.7254,
78.6610

39.6896, 19.8767,
53.1345

75.8473, 86.4806,
82.7949

39.0418, 19.0959,
51.3310

79.0426, 92.2427,
85.7976

38.9404, 18.9858,
51.0116

79.4421, 92.4025,
87.9012

79.8483, 92.5649,
90.0400

80.2611, 92.7301,
92.2141

Harmonies

Analogous

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



43.5020, 37.4274, 88.2998



49.8280, 37.4274, 64.9196



52.2242, 37.4274, 40.3643

Triad

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



49.8280, 37.4274, 64.9196



35.4380, 37.4274, 11.6455



24.4411, 37.4274, 65.8429

Complementary

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



49.8280, 37.4274, 64.9196



41.0146, 58.5285, 36.7415

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.



22.9017, 37.4274, 41.1423



49.8280, 37.4274, 64.9196



28.6723, 37.4274, 14.3400

Square

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



49.8280, 37.4274, 64.9196



43.2335, 37.4274, 14.1470



24.3355, 37.4274, 23.4781



28.8765, 37.4274, 88.9528

Rectangle

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



49.8280, 37.4274, 64.9196



51.0382, 37.4274, 27.7969



24.3355, 37.4274, 23.4781



23.5985, 37.4274, 57.2124

Sweetspot

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



49.8292, 37.4291, 64.9204



86.1595, 83.1565, 103.0465



33.5427, 28.8702, 71.5157



18.2261, 17.3921, 21.9089



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.



49.8292, 37.4291, 64.9204



65.9599, 45.6208, 87.4856



45.4073, 35.6603, 41.6352



13.5372, 13.2440, 16.0900



22.8830, 11.1542, 30.0936



1.5033, 0.7310, 2.0594

Inverse Universe

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



49.8292, 37.4291, 64.9204



65.9599, 45.6208, 87.4856



44.8036, 60.0441, 56.6938



13.5372, 13.2440, 16.0900



22.8830, 11.1542, 30.0936



1.5033, 0.7310, 2.0594

Previews

White Background



This preview shows how the XYZ color 49.8280, 37.4274, 64.9196 looks on a white background.

Color Contrast Check

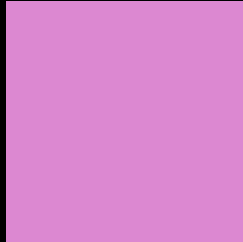
Large Text (above 18pt) WCAG AA × Fail

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 49.8280, 37.4274, 64.9196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

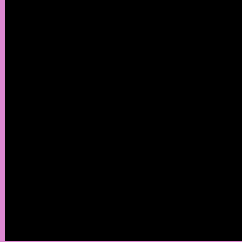
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8280, 37.4274, 64.9196

Background



This preview shows how black text looks on a background with the XYZ color 49.8280, 37.4274, 64.9196.



This preview shows how white text looks on a background with the XYZ color 49.8280, 37.4274,

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

49.8280, 37.4274, 64.9196

Protanopia

38.9171, 37.8713, 79.3875

Deuteranopia

38.5174, 37.7774, 62.3884



Tritanopia

44.1820, 37.3225, 37.2231

Trichromacy



Original Color

49.8280, 37.4274, 64.9196

Protanomaly

41.5893, 36.8270, 74.0236

Deuteranomaly

41.8232, 37.1838, 63.3654

Tritanomaly

45.9277, 37.1193, 46.3391

Monochromacy



Original Color

49.8280, 37.4274, 64.9196

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

41.4477, 38.2660, 50.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8280, 37.4274, 64.9196 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(220, 136, 209)` looks like.

```
.text, #text, p{  
    color:rgb(220, 136, 209)  
}
```

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(220, 136, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 136, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.8280, 37.4274, 64.9196 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(220, 136, 209) }
```


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

```
.border{ border-color:rgb(220, 136, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 136, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 136, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 136, 209);  
box-shadow:4px 4px 4px 4px rgb(220, 136,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8280, 37.4274, 64.9196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 136, 209) }
```

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

```
.background{ background-color: rgb(220,  
136, 209) }
```

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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