

Converting Colors

XYZ(49.3949, 38.9081, 67.7841)

Have a look what the booklet for
XYZ(49.3949, 38.9081, 67.7841)
contains.

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Color

**XYZ(49.4241, 38.8967,
67.8537)**

Conversions

Conversions Part 1

Format	Color
Hex	D590D5
RGB	213, 144, 213
RGB Percent	84%, 56%, 84%
CMY	0.1647, 0.4353, 0.1647
CMYK	0.00, 0.32, 0.00, 0.16
HSL	300°, 45%, 70%
HSV	300°, 32%, 84%
XYZ	49.4241, 38.8967, 67.8537
YIQ	172.4970, 18.9750, 36.0870

Conversions

Conversions Part 2

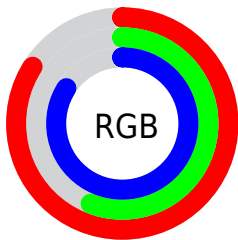
Format	Color
RYB	213, 144, 213
Decimal	13996245
CIELab	68.68, 37.09, -24.84
CIELCh	69, 44.636, 326.189
Yxy	38.8967, 0.3165, 0.2491
Android (android.graphics.Color)	4292186325 (0xFFD590D5)
YUV	172.4970, 19.9680, 35.5211
Hunter-Lab	62.3672, 32.3131, -20.8487

Details

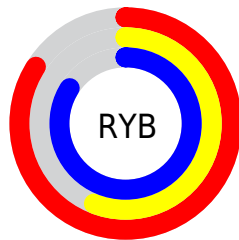
The XYZ color **49.4241, 38.8967, 67.8537** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.3315, 55.5328, 34.9809**, and the grayscale version is **39.3607, 41.4105, 45.0961**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **23.9033, 17.2910, 34.4254** is the 20% darker color. If you saturate the color by 10%, you get **46.4977, 33.0432, 66.8785**, and if you desaturate by 10%, it is **52.9616, 45.9709, 69.0334**.

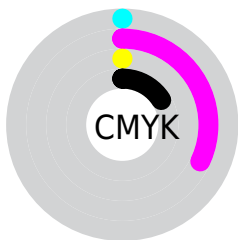
Distribution



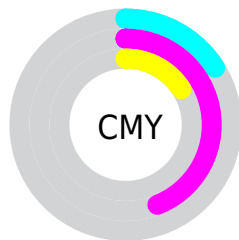
- Red (84%)
- Green (56%)
- Blue (84%)



- Red (84%)
- Yellow (56%)
- Blue (84%)



- Cyan (0%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4241, 38.8967, 67.8537 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 49.4241, 38.8967, 67.8537 by changing the saturation by 10% instead.


 49.4241, 38.8967,
67.8537

 49.4241, 38.8967,
67.8537


374.8988,
341.4511, 471.5615

 35.1719, 26.6794,
49.3128


 88.5179, 73.4805,
117.7951

 23.9625, 17.3326,
34.5003

 114.0904, 96.6157,
150.0326

 15.4304, 10.4719,
22.9977


144.1669,
124.1591, 187.6727

 9.2103, 5.7129,
14.3866

179.1129,
156.4949, 231.1340

 4.9368, 2.6713,
8.2482

219.2937,
194.0077, 280.8350

 2.2446, 0.9627,
4.1641

265.0748,

 0.7661, 0.0000,

237.0817, 337.1942

1.7158

316.8214,
286.1013, 400.6302

■ 0.0000, 0.0000,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 49.4241, 38.8967,
67.8537

■ 49.4241, 38.8967,
67.8537

■ 46.4977, 33.0432,
66.8785

■ 52.9616, 45.9709,
69.0334

■ 44.1444, 28.3365,
66.0939

■ 57.1381, 54.3238,
70.4257

■ 42.3276, 24.7031,
65.4882

■ 61.9842, 64.0160,
72.0412

■ 41.0052, 22.0583,
65.0472

■ 67.5276, 75.1028,
73.8892

40.1286, 20.3052,
64.7549

73.7944, 87.6363,
75.9783

39.6395, 19.3271,
64.5917

75.2116, 90.4706,
76.4508

39.4512, 18.9504,
64.5288

75.2116, 90.4706,
76.4509

75.2116, 90.4706,
76.4511

75.2117, 90.4706,
76.4513

Harmonies

Analogous

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



43.2854, 38.8967, 87.6479



49.4241, 38.8967, 67.8537



52.2227, 38.8967, 44.9863

Triad

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



49.4241, 38.8967, 67.8537



37.8789, 38.8967, 14.2137



26.0856, 38.8967, 61.9136

Complementary

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



49.4241, 38.8967, 67.8537



40.3315, 55.5328, 34.9809

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.



25.0206, 38.8967, 39.8224



49.4241, 38.8967, 67.8537



31.3012, 38.8967, 16.1827

Square

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



49.4241, 38.8967, 67.8537



45.0430, 38.8967, 17.5805



26.8066, 38.8967, 24.2050



29.9245, 38.8967, 83.5219

Rectangle

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



49.4241, 38.8967, 67.8537



51.5859, 38.8967, 32.4181



26.8066, 38.8967, 24.2050



25.4141, 38.8967, 54.1322

Sweetspot

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



49.4253, 38.8984, 67.8545



87.4478, 84.7957, 106.3657



33.4868, 30.6818, 67.1091



18.5068, 17.7284, 22.6964



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.



49.4253, 38.8984, 67.8545



71.1029, 52.1061, 100.9168



45.5015, 37.3289, 47.1918



12.9531, 12.6327, 15.6931



24.0981, 11.5756, 39.4164



1.4535, 0.6982, 2.3774

Inverse Universe

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



49.4253, 38.8984, 67.8545



71.1029, 52.1061, 100.9168



43.3836, 56.7536, 51.0528



12.9531, 12.6327, 15.6931



24.0981, 11.5756, 39.4164



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 49.4241, 38.8967, 67.8537 looks on a white background.

Color Contrast Check

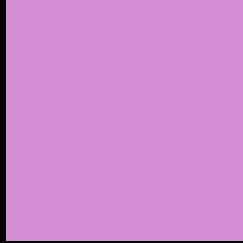
Large Text (above 18pt) WCAG AA × Fail

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 49.4241, 38.8967, 67.8537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

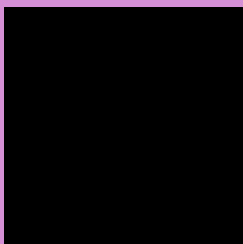
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4241, 38.8967, 67.8537

Background



This preview shows how black text looks on a background with the XYZ color 49.4241, 38.8967, 67.8537.



This preview shows how white text looks on a background with the XYZ color 49.4241, 38.8967,

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

49.4241, 38.8967, 67.8537

Protanopia

40.1735, 39.3191, 79.6007

Deuteranopia

39.8883, 38.9409, 65.7356



Tritanopia

43.9149, 38.7645, 40.7650

Trichromacy



Original Color

49.4241, 38.8967, 67.8537



Protanomaly

42.5594, 38.5521, 75.0102



Deuteranomaly

42.7459, 38.5908, 66.1686



Tritanomaly

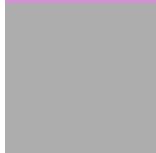
45.6443, 38.7454, 49.3289

Monochromacy



Original Color

49.4241, 38.8967, 67.8537



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

42.7365, 40.1629, 53.0767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4241, 38.8967, 67.8537 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(213, 144, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 144, 213)  
}
```

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(213, 144, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 144, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.4241, 38.8967, 67.8537 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(213, 144, 213) }
```


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

```
.border{ border-color:rgb(213, 144, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 144, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 144, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 144, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 144,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4241, 38.8967, 67.8537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 144, 213) }
```

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

```
.background{ background-color: rgb(213,  
144, 213) }
```

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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