

Converting Colors

XYZ(50.3149, 44.2433, 69.5063)

Have a look what the booklet for
XYZ(50.3149, 44.2433, 69.5063)
contains.

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Color

**XYZ(50.3149, 44.2433,
69.5063)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA4D6
RGB	204, 164, 214
RGB Percent	80%, 64%, 84%
CMY	0.2000, 0.3568, 0.1608
CMYK	0.05, 0.23, 0.00, 0.16
HSL	288°, 38%, 74%
HSV	288°, 23%, 84%
XYZ	50.3149, 44.2433, 69.5063
YIQ	181.6600, 7.7900, 24.0300

Conversions

Conversions Part 2

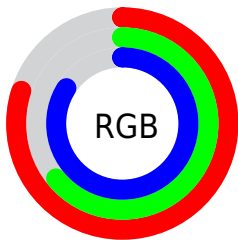
Format	Color
R_{YB}	204, 164, 214
Decimal	13411542
CIE _{Lab}	72.39, 23.48, -19.81
CIE _{LCh}	72, 30.718, 319.844
Yxy	44.2433, 0.3067, 0.2697
Android (android.graphics.Color)	4291601622 (0xFFCCA4D6)
YUV	181.6600, 15.9436, 19.5922
Hunter-Lab	66.5156, 18.6217, -15.3948

Details

The XYZ color **50.3149, 44.2433, 69.5063** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.2045, 59.7733, 44.1208**, and the grayscale version is **44.1929, 46.4944, 50.6324**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **24.4466, 20.4811, 35.4657** is the 20% darker color. If you saturate the color by 10%, you get **45.6460, 36.6225, 68.2821**, and if you desaturate by 10%, it is **55.6632, 53.1733, 70.9487**.

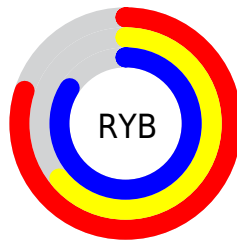
Distribution



Red (80%)

Green (64%)

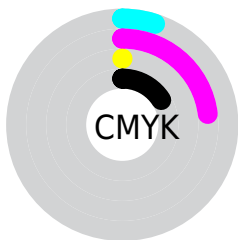
Blue (84%)



Red (80%)

Yellow (64%)

Blue (84%)

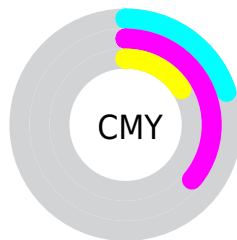


Cyan (5%)

Magenta (23%)

Yellow (0%)

Black (16%)



Cyan (20%)

Magenta (36%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3149, 44.2433, 69.5063 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 50.3149, 44.2433, 69.5063 by changing the saturation by 10% instead.


 50.3149, 44.2433,
69.5063


 50.3149, 44.2433,
69.5063


378.3278,
363.7002, 477.5568

 35.8825, 30.8618,
50.6498


 89.8303, 81.5837,
120.1789

 24.5131, 20.4937,
35.5552


 115.6440,
106.3115, 152.8322

 15.8415, 12.7544,
23.8039


145.9822,
135.5901, 190.9215

 9.5022, 7.2596,
14.9774

181.2102,
169.8040, 234.8653

 5.1299, 3.6250,
8.6571

221.6934,
209.3375, 285.0822

 2.3592, 1.4661,
4.4244

267.7972,

 0.8247, 0.2647,

254.5752, 341.9907

1.8610

319.8869,
305.9013, 406.0094

■ 0.0000, 0.0000,
0.4677

■ 0.0000, 0.0000,
0.0000

■ 50.3149, 44.2433,
69.5063

■ 50.3149, 44.2433,
69.5063

■ 45.6460, 36.6225,
68.2821

■ 55.6632, 53.1733,
70.9487

■ 41.6199, 30.2405,
67.2624

■ 61.7169, 63.4668,
72.6165

■ 38.2026, 25.0292,
66.4367

■ 68.5058, 75.1821,
74.5200

■ 35.3554, 20.9113,
65.7919

■ 76.0566, 88.3723,
76.6680

■ 33.0348, 17.8002,
65.3137

■ 79.0745, 92.4473,
77.2955

■ 31.1906, 15.5960,
64.9854

■ 80.4289, 93.1455,
77.3589

■ 29.7623, 14.1781,
64.7870

■ 81.8170, 93.8611,
77.4238

■ 28.9760, 13.5355,
64.7045

■ 83.2390, 94.5942,
77.4904

■ 84.6952, 95.3449,
77.5585

Harmonies

Analogous

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



45.6002, 44.2433, 81.0976



50.3149, 44.2433, 69.5063



52.8797, 44.2433, 53.4945

Triad

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



50.3149, 44.2433, 69.5063



43.8710, 44.2433, 24.8122



33.1916, 44.2433, 58.7544

Complementary

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



50.3149, 44.2433, 69.5063



48.2045, 59.7733, 44.1208

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.



32.8133, 44.2433, 43.2175



50.3149, 44.2433, 69.5063



38.6927, 44.2433, 25.6395

Square

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



50.3149, 44.2433, 69.5063



48.9582, 44.2433, 29.1629



34.7471, 44.2433, 31.7241



35.8278, 44.2433, 74.0439

Rectangle

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



50.3149, 44.2433, 69.5063



52.8909, 44.2433, 43.3626



34.7471, 44.2433, 31.7241



32.8052, 44.2433, 53.3276

Sweetspot

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



50.3163, 44.2452, 69.5073



88.3164, 88.4644, 107.0283



42.7468, 43.3446, 69.7324



18.7845, 18.7327, 22.8757



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.



50.3163, 44.2452, 69.5073



71.2876, 59.9865, 102.4290



51.4142, 45.0112, 60.5210



12.6984, 12.5014, 15.6813



17.6005, 8.2259, 39.1133



1.1248, 0.5287, 2.3621

Inverse Universe

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



48.6485, 43.9049, 45.9568



68.4767, 59.4467, 61.2189



47.4106, 59.2078, 51.1386



12.5238, 12.4610, 13.4326



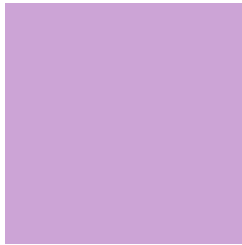
17.0531, 8.7576, 2.3179



1.0585, 0.5402, 0.2974

Previews

White Background



This preview shows how the XYZ color 50.3149, 44.2433, 69.5063 looks on a white background.

Color Contrast Check

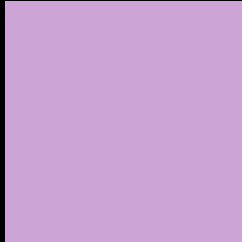
Large Text (above 18pt) WCAG AA × Fail

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 50.3149, 44.2433, 69.5063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

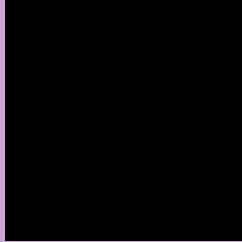
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3149, 44.2433, 69.5063

Background



This preview shows how black text looks on a background with the XYZ color 50.3149, 44.2433, 69.5063.



This preview shows how white text looks on a background with the XYZ color 50.3149, 44.2433,

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

50.3149, 44.2433, 69.5063

Protanopia

44.6465, 44.5401, 75.3512

Deuteranopia

45.3798, 44.4905, 68.4831



Tritanopia

46.4752, 44.3105, 50.9030

Trichromacy



Original Color

50.3149, 44.2433, 69.5063

Protanomaly

46.3611, 44.3228, 73.1295

Deuteranomaly

46.8785, 44.1183, 68.9957

Tritanomaly

47.8276, 44.3178, 57.0723

Monochromacy



Original Color

50.3149, 44.2433, 69.5063

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.3028, 45.5021, 57.3813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3149, 44.2433, 69.5063 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(204, 164, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 214)  
}
```

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(204, 164, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 214) }
```

Border

The CSS property to change the border of an element to XYZ 50.3149, 44.2433, 69.5063 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(204, 164, 214) }
```


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

```
.border{ border-color:rgb(204, 164, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3149, 44.2433, 69.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 214) }
```

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

```
.background{ background-color: rgb(204,  
164, 214) }
```

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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