

Converting Colors

XYZ(50.1341, 44.6883, 69.6030)

Have a look what the booklet for
XYZ(50.1341, 44.6883, 69.6030)
contains.

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Color

**XYZ(50.1309, 44.6840,
69.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA6D6
RGB	202, 166, 214
RGB Percent	79%, 65%, 84%
CMY	0.2078, 0.3490, 0.1608
CMYK	0.06, 0.22, 0.00, 0.16
HSL	285°, 37%, 75%
HSV	285°, 22%, 84%
XYZ	50.1309, 44.6840, 69.6010
YIQ	182.2360, 6.0480, 22.5600

Conversions

Conversions Part 2

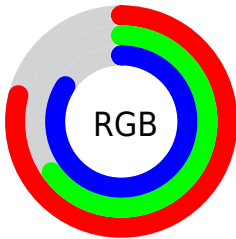
Format	Color
R _Y B	202, 166, 214
Decimal	13280982
CIE Lab	72.68, 21.72, -19.38
CIE LCh	73, 29.114, 318.259
Yxy	44.6840, 0.3049, 0.2718
Android (android.graphics.Color)	4291471062 (0xFFCAA6D6)
YUV	182.2360, 15.6597, 17.3330
Hunter-Lab	66.8461, 16.8845, -14.9412

Details

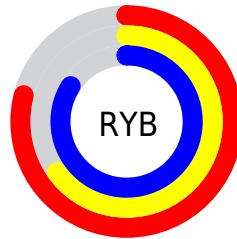
The XYZ color **50.1309, 44.6840, 69.6010** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.2911, 60.3124, 45.1221**, and the grayscale version is **44.5081, 46.8260, 50.9936**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **24.4881, 20.8337, 35.5315** is the 20% darker color. If you saturate the color by 10%, you get **45.1375, 36.8085, 68.3447**, and if you desaturate by 10%, it is **55.8245, 53.8837, 71.0773**.

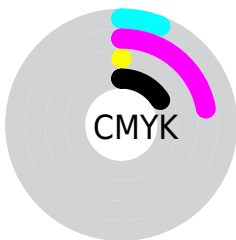
Distribution



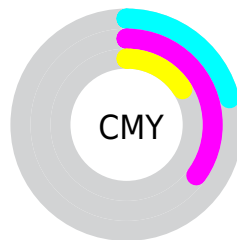
- Red (79%)
- Green (65%)
- Blue (84%)



- Red (79%)
- Yellow (65%)
- Blue (84%)



- Cyan (6%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)





- Cyan (21%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1309, 44.6840, 69.6010 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 50.1309, 44.6840, 69.6010 by changing the saturation by 10% instead.


 50.1309, 44.6840,
69.6010


 50.1309, 44.6840,
69.6010


377.6212,
365.4922, 477.8990

 35.7356, 31.2086,
50.7265

 89.5595, 82.2460,
120.3154

 24.3993, 20.7577,
35.6158


 115.3235,
107.1014, 152.9923

 15.7564, 12.9470,
23.8503


145.6078,
136.5189, 191.1072

 9.4417, 7.3921,
15.0114

180.7777,
170.8830, 235.0785

 5.0898, 3.7085,
8.6807

221.1987,
210.5779, 285.3248

 2.3353, 1.5119,
4.4395

267.2360,

 0.8127, 0.2971,

255.9882, 342.2646

1.8694

319.2550,
307.4982, 406.3165

■ 0.0000, 0.0000,
0.4732

■ 0.0000, 0.0000,
0.0000

■ 50.1309, 44.6840,
69.6010

■ 50.1309, 44.6840,
69.6010

■ 45.1375, 36.8085,
68.3447

■ 55.8245, 53.8837,
71.0773

■ 40.8077, 30.1872,
67.2949

■ 62.2445, 64.4618,
72.7807

■ 37.1077, 24.7524,
66.4409

■ 69.4206, 76.4762,
74.7215

■ 33.9987, 20.4273,
65.7699

■ 77.3797, 89.9799,
76.9085

■ 31.4374, 17.1264,
65.2678

■ 80.1319, 92.9924,
77.3449

■ 29.3743, 14.7511,
64.9180

■ 81.8631, 93.8849,
77.4259

■ 27.7497, 13.1829,
64.7010

■ 83.6474, 94.8047,
77.5094

■ 26.7350, 12.3802,
64.5995

■ 85.4852, 95.7521,
77.5954

■ 87.3769, 96.7274,
77.6840

Harmonies

Analogous

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



45.5843, 44.6840, 80.1059



50.1309, 44.6840, 69.6010



52.6980, 44.6840, 54.5308

Triad

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



50.1309, 44.6840, 69.6010



44.4763, 44.6840, 26.2003



33.9057, 44.6840, 57.8904

Complementary

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



50.1309, 44.6840, 69.6010



49.2911, 60.3124, 45.1221

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.



33.6606, 44.6840, 43.2141



50.1309, 44.6840, 69.6010



39.5024, 44.6840, 26.7453

Square

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



50.1309, 44.6840, 69.6010



49.2647, 44.6840, 30.7228



35.6337, 44.6840, 32.3967



36.3321, 44.6840, 72.4762

Rectangle

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



50.1309, 44.6840, 69.6010



52.8163, 44.6840, 44.7694



35.6337, 44.6840, 32.3967



33.5730, 44.6840, 52.7555

Sweetspot

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



50.1323, 44.6859, 69.6020



87.9948, 88.2987, 107.0133



43.9453, 45.1241, 70.0126



18.7099, 18.6942, 22.8722



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.



50.1323, 44.6859, 69.6020



70.8290, 60.5414, 102.5603



52.1247, 45.8727, 62.4832



12.6357, 12.4691, 15.6783



16.2590, 7.5343, 39.0505



1.0542, 0.4923, 2.3588

Inverse Universe

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



49.4051, 44.7849, 48.1619



69.6533, 60.7702, 64.7856



47.7298, 59.3836, 50.6480



12.5493, 12.4712, 13.5671



17.1927, 8.8134, 3.0530



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 50.1309, 44.6840, 69.6010 looks on a white background.

Color Contrast Check

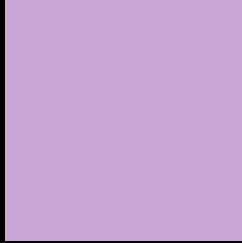
Large Text (above 18pt) WCAG AA × Fail

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 50.1309, 44.6840, 69.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

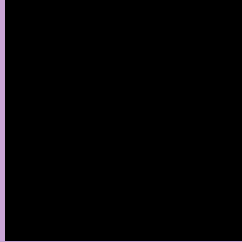
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1309, 44.6840, 69.6010

Background



This preview shows how black text looks on a background with the XYZ color 50.1309, 44.6840, 69.6010.



This preview shows how white text looks on a background with the XYZ color 50.1309, 44.6840,

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

50.1309, 44.6840, 69.6010

Protanopia

44.9217, 44.9896, 74.7228

Deuteranopia

45.6101, 44.6093, 68.4939



Tritanopia

46.6086, 44.6344, 52.0577

Trichromacy



Original Color

50.1309, 44.6840, 69.6010

Protanomaly

46.4208, 44.6524, 72.5018

Deuteranomaly

47.0667, 44.4947, 69.0584

Tritanomaly

47.7050, 44.5036, 58.3003

Monochromacy



Original Color

50.1309, 44.6840, 69.6010

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.2492, 45.7645, 57.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1309, 44.6840, 69.6010 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(202, 166, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 166, 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(202, 166, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 166, 214) }
```

Border

The CSS property to change the border of an element to XYZ 50.1309, 44.6840, 69.6010 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(202, 166, 214) }
```


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

```
.border{ border-color:rgb(202, 166, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 166, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 166, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 166, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 166,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1309, 44.6840, 69.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 166, 214) }
```

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

```
.background{ background-color: rgb(202,  
166, 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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