

Converting Colors

XYZ(48.1428, 43.0963, 61.0812)

Have a look what the booklet for
XYZ(48.1428, 43.0963, 61.0812)
contains.

XYZ(47.9969, 42.9680, 61.0223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.9969, 42.9680,
61.0223)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA3C9
RGB	202, 163, 201
RGB Percent	79%, 64%, 79%
CMY	0.2078, 0.3608, 0.2118
CMYK	0.00, 0.19, 0.00, 0.21
HSL	302°, 27%, 72%
HSV	302°, 19%, 79%
XYZ	47.9969, 42.9680, 61.0223
YIQ	178.9930, 11.0460, 20.0860

Conversions

Conversions Part 2

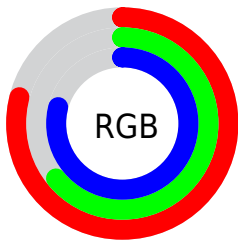
Format	Color
R _Y B	202, 163, 201
Decimal	13280201
CIE Lab	71.53, 20.87, -13.98
CIE LCh	72, 25.113, 326.187
Yxy	42.9680, 0.3158, 0.2827
Android (android.graphics.Color)	4291470281 (0xFFCAA3C9)
YUV	178.9930, 10.8495, 20.1771
Hunter-Lab	65.5500, 15.9885, -9.3097

Details

The XYZ color **47.9969, 42.9680, 61.0223** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9273, 52.7091, 43.0356**, and the grayscale version is **42.7850, 45.0132, 49.0193**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **23.1636, 19.7714, 30.1992** is the 20% darker color. If you saturate the color by 10%, you get **44.6325, 36.3358, 59.6011**, and if you desaturate by 10%, it is **51.9370, 50.7498, 62.6373**.

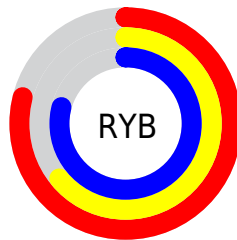
Distribution



Red (79%)

Green (64%)

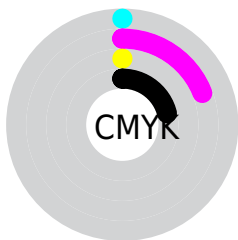
Blue (79%)



Red (79%)

Yellow (64%)

Blue (79%)

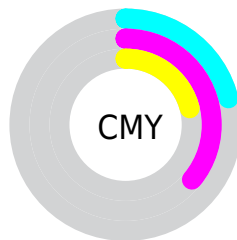


Cyan (0%)

Magenta (19%)

Yellow (0%)

Black (21%)



Cyan (21%)

Magenta (36%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9969, 42.9680, 61.0223 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 47.9969, 42.9680, 61.0223 by changing the saturation by 10% instead.


 47.9969, 42.9680,
61.0223


 47.9969, 42.9680,
61.0223

369.3626,
358.4802, 446.2646

 34.0357, 29.8600,
43.8125


 86.4095, 79.6626,
107.8691

 23.0840, 19.7324,
30.1870


 111.5916,
104.0179, 138.3431

 14.7766, 12.2006,
19.7273


141.2447,
132.8912, 174.0756

 8.7480, 6.8805,
12.0149

175.7342,
166.6668, 215.4852

 4.6330, 3.3875,
6.6312

215.4253,
205.7291, 262.9903

 2.0661, 1.3372,
3.1576

260.6835,

 0.6707, 0.1697,

250.4625, 317.0096

1.1757

311.8742,
301.2514, 377.9615

■ 0.0000, 0.0000,
0.0000

■ 47.9969, 42.9680,
61.0223

■ 47.9969, 42.9680,
61.0223

■ 44.6325, 36.3358,
59.6011

■ 51.9370, 50.7498,
62.6373

■ 41.8127, 30.7932,
58.3620

■ 56.4742, 59.7261,
64.4520

■ 39.5094, 26.2835,
57.2961

■ 61.6336, 69.9466,
66.4750

■ 37.6907, 22.7424,
56.3927

■ 67.4377, 81.4562,
68.7139

■ 36.3208, 20.0986,
55.6400

■ 70.9675, 88.4168,
70.1958

35.3591, 18.2710,
55.0243

71.0296, 88.4416,
70.5228

34.7579, 17.1639,
54.5298

71.0919, 88.4665,
70.8508

34.4343, 16.6118,
54.1288

71.1544, 88.4915,
71.1800

34.4149, 16.5797,
54.1020

71.2171, 88.5166,
71.5102

Harmonies

Analogous

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



44.5452, 42.9680, 71.0279



47.9969, 42.9680, 61.0223



49.5290, 42.9680, 48.3554

Triad

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



47.9969, 42.9680, 61.0223



41.3846, 42.9680, 27.1366



33.9503, 42.9680, 57.8666

Complementary

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



47.9969, 42.9680, 61.0223



42.9273, 52.7091, 43.0356

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.



33.2314, 42.9680, 45.2487



47.9969, 42.9680, 61.0223



37.3458, 42.9680, 28.8007

Square

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



47.9969, 42.9680, 61.0223



45.5481, 42.9680, 29.9394



34.4321, 42.9680, 34.9544



36.4677, 42.9680, 68.9958

Rectangle

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



47.9969, 42.9680, 61.0223



49.1827, 42.9680, 40.5716



34.4321, 42.9680, 34.9544



33.4981, 42.9680, 53.6021

Sweetspot

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



47.9982, 42.9699, 61.0232



90.2987, 90.5984, 107.0049



38.9975, 38.3162, 61.2182



19.2219, 19.1826, 22.8610



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.



47.9982, 42.9699, 61.0232



78.8677, 68.0214, 102.3159



45.8838, 42.1241, 49.8888



11.6746, 11.3986, 14.0873



22.1507, 10.6709, 34.8417



1.1467, 0.5521, 1.8186

Inverse Universe

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



47.9982, 42.9699, 61.0232



78.8677, 68.0214, 102.3159



44.7892, 53.4539, 52.8402



11.6746, 11.3986, 14.0873



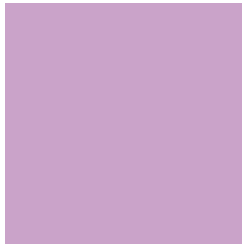
22.1507, 10.6709, 34.8417



1.1467, 0.5521, 1.8186

Previews

White Background



This preview shows how the XYZ color 47.9969, 42.9680, 61.0223 looks on a white background.

Color Contrast Check

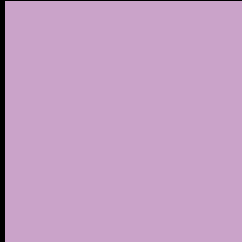
Large Text (above 18pt) WCAG AA × Fail

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 47.9969, 42.9680, 61.0223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

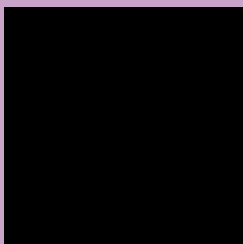
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9969, 42.9680, 61.0223

Background



This preview shows how black text looks on a background with the XYZ color 47.9969, 42.9680, 61.0223.



This preview shows how white text looks on a background with the XYZ color 47.9969, 42.9680,

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

47.9969, 42.9680, 61.0223

Protanopia

42.6697, 43.1510, 65.7546

Deuteranopia

43.9278, 43.0731, 60.0315



Tritanopia

45.6101, 43.0748, 49.0904

Trichromacy



Original Color

47.9969, 42.9680, 61.0223

Protanomaly

44.2166, 42.8605, 63.7001

Deuteranomaly

45.4142, 42.9942, 60.5487

Tritanomaly

46.5327, 43.1826, 53.4595

Monochromacy



Original Color

47.9969, 42.9680, 61.0223

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.4067, 44.0398, 53.1738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9969, 42.9680, 61.0223 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, 163, 201)` looks like.

```
.text, #text, p{  
    color:rgb(202, 163, 201)  
}
```

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, 163, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 163, 201) }
```

Border

The CSS property to change the border of an element to XYZ 47.9969, 42.9680, 61.0223 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, 163, 201) }
```


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

```
.border{ border-color:rgb(202, 163, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 163, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 163, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 163, 201);  
box-shadow:4px 4px 4px 4px rgb(202, 163,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9969, 42.9680, 61.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 163, 201) }
```

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

```
.background{ background-color: rgb(202,  
163, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor