

Converting Colors

XYZ(49.0697, 42.4620, 68.2479)

Have a look what the booklet for
XYZ(49.0697, 42.4620, 68.2479)
contains.

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Color

**XYZ(49.2096, 42.6422,
68.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA0D5
RGB	203, 160, 213
RGB Percent	80%, 63%, 84%
CMY	0.2039, 0.3725, 0.1647
CMYK	0.05, 0.25, 0.00, 0.16
HSL	289°, 39%, 73%
HSV	289°, 25%, 84%
XYZ	49.2096, 42.6422, 68.5879
YIQ	178.8990, 8.6150, 25.5990

Conversions

Conversions Part 2

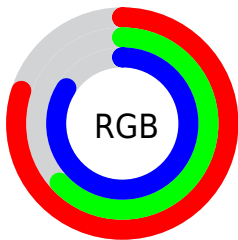
Format	Color
R_{YB}	203, 160, 213
Decimal	13344981
CIE _{Lab}	71.31, 25.15, -20.91
CIE _{LCh}	71, 32.703, 320.258
Yxy	42.6422, 0.3067, 0.2658
Android (android.graphics.Color)	4291535061 (0xFFCBA0D5)
YUV	178.8990, 16.8118, 21.1366
Hunter-Lab	65.3010, 20.2375, -16.5636

Details

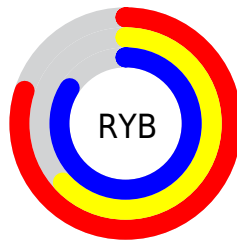
The XYZ color **49.2096, 42.6422, 68.5879** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.7185, 58.6737, 42.1226**, and the grayscale version is **42.7052, 44.9292, 48.9279**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **23.7469, 19.4896, 34.8580** is the 20% darker color. If you saturate the color by 10%, you get **44.7488, 35.3236, 67.4110**, and if you desaturate by 10%, it is **54.3341, 51.2442, 69.9788**.

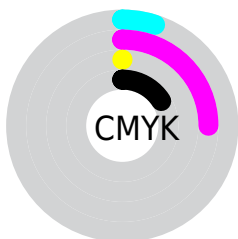
Distribution



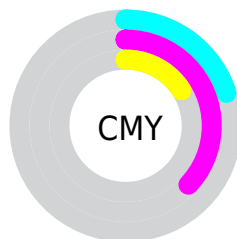
- Red (80%)
- Green (63%)
- Blue (84%)



- Red (80%)
- Yellow (63%)
- Blue (84%)



- Cyan (5%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)




- Cyan (20%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2096, 42.6422, 68.5879 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 49.2096, 42.6422, 68.5879 by changing the saturation by 10% instead.


 49.2096, 42.6422,
68.5879


 49.2096, 42.6422,
68.5879


374.0702,
357.1382, 474.2307

 35.0010, 29.6045,
49.9065


 88.2015, 79.1706,
118.8549

 23.8302, 19.5386,
34.9684


 113.7156,
103.4302, 151.2776

 15.3317, 12.0601,
23.3552

143.7288,
132.1991, 189.1179

 9.1404, 6.7846,
14.6483


178.6066,
165.8618, 232.7942

 4.8907, 3.3278,
8.4290

218.7142,
204.8026, 282.7250

 2.2174, 1.3051,
4.2790

264.4171,

 0.7519, 0.1452,

249.4061, 339.3291

1.7796

316.0807,
300.0565, 403.0248

■ 0.0000, 0.0000,
0.4145

■ 0.0000, 0.0000,
0.0000

■ 49.2096, 42.6422,
68.5879

■ 49.2096, 42.6422,
68.5879

■ 44.7488, 35.3236,
67.4110

■ 54.3341, 51.2442,
69.9788

■ 40.9151, 29.2184,
66.4347

■ 60.1483, 61.1842,
71.5910

■ 37.6747, 24.2581,
65.6480

■ 66.6819, 72.5202,
73.4347

■ 34.9885, 20.3652,
65.0382

■ 73.9615, 85.3051,
75.5187

■ 32.8128, 17.4524,
64.5906

■ 78.2314, 92.0274,
76.5912

■ 31.0968, 15.4185,
64.2885

■ 79.4853, 92.6738,
76.6499

■ 29.7787, 14.1401,
64.1112

■ 80.7687, 93.3354,
76.7100

■ 29.2022, 13.6669,
64.0502

■ 82.0819, 94.0124,
76.7714

■ 83.4251, 94.7048,
76.8343

Harmonies

Analogous

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



44.2998, 42.6422, 80.9973



49.2096, 42.6422, 68.5879



51.8611, 42.6422, 51.7411

Triad

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



49.2096, 42.6422, 68.5879



42.3445, 42.6422, 22.5362



31.4038, 42.6422, 57.7155

Complementary

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



49.2096, 42.6422, 68.5879



46.7185, 58.6737, 42.1226

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.



30.9829, 42.6422, 41.4956



49.2096, 42.6422, 68.5879



36.9807, 42.6422, 23.4344

Square

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



49.2096, 42.6422, 68.5879



47.6676, 42.6422, 26.8325



32.9364, 42.6422, 29.6464



34.1433, 42.6422, 73.8014

Rectangle

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



49.2096, 42.6422, 68.5879



51.8416, 42.6422, 41.2472



32.9364, 42.6422, 29.6464



30.9967, 42.6422, 52.0300

Sweetspot

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



49.2109, 42.6440, 68.5888



88.3894, 88.5021, 107.0317



40.9966, 41.2546, 68.7536



18.8014, 18.7414, 22.8765



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.



49.2109, 42.6440, 68.5888



70.1976, 57.8846, 102.0808



50.1022, 43.3253, 58.6066



12.7127, 12.5088, 15.6819



17.9194, 8.3903, 39.1282



1.1414, 0.5373, 2.3629

Inverse Universe

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



47.2685, 42.1919, 43.6847



66.8784, 57.1475, 57.9193



46.1195, 58.1938, 49.8260



12.5180, 12.4587, 13.4022



17.0259, 8.7467, 2.1743



1.0558, 0.5391, 0.2833

Previews

White Background



This preview shows how the XYZ color 49.2096, 42.6422, 68.5879 looks on a white background.

Color Contrast Check

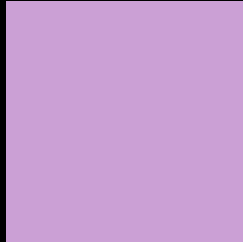
Large Text (above 18pt) WCAG AA × Fail

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 49.2096, 42.6422, 68.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

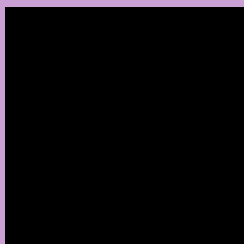
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2096, 42.6422, 68.5879

Background



This preview shows how black text looks on a background with the XYZ color 49.2096, 42.6422, 68.5879.



This preview shows how white text looks on a background with the XYZ color 49.2096, 42.6422,

68.5879.

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

49.2096, 42.6422, 68.5879

Protanopia

43.0287, 42.8424, 75.1088

Deuteranopia

43.7763, 42.8276, 67.5873



Tritanopia

45.0616, 42.5329, 48.4825

Trichromacy



Original Color

49.2096, 42.6422, 68.5879

Protanomaly

44.9203, 42.4668, 72.8472

Deuteranomaly

45.7100, 42.7052, 68.1211

Tritanomaly

46.4988, 42.5919, 55.0605

Monochromacy



Original Color

49.2096, 42.6422, 68.5879

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.8955, 43.9580, 55.4087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2096, 42.6422, 68.5879 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(203, 160, 213)` looks like.

```
.text, #text, p{  
    color:rgb(203, 160, 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(203, 160, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 160, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.2096, 42.6422, 68.5879 is called "border". The border property can be set on classes, ids or directly on the HTML element.

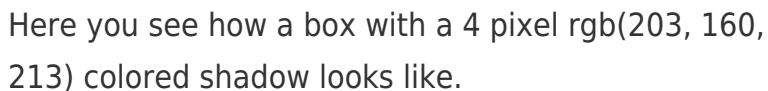
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 160, 213) }
```


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

```
.border{ border-color:rgb(203, 160, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 160, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 160, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 160, 213);  
box-shadow:4px 4px 4px 4px rgb(203, 160,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2096, 42.6422, 68.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 160, 213) }
```

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

```
.background{ background-color: rgb(203,  
160, 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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