

Converting Colors

XYZ(49.5988, 42.4481, 71.4069)

Have a look what the booklet for
XYZ(49.5988, 42.4481, 71.4069)
contains.

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Color

**XYZ(49.5511, 42.5025,
71.2378)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9FD9
RGB	203, 159, 217
RGB Percent	80%, 62%, 85%
CMY	0.2039, 0.3765, 0.1490
CMYK	0.06, 0.27, 0.00, 0.15
HSL	286°, 43%, 74%
HSV	286°, 27%, 85%
XYZ	49.5511, 42.5025, 71.2378
YIQ	178.7680, 7.6060, 27.3660

Conversions

Conversions Part 2

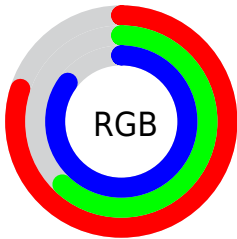
Format	Color
R_{YB}	203, 159, 217
Decimal	13344729
CIE _{Lab}	71.22, 26.48, -23.25
CIE _{LCh}	71, 35.244, 318.717
Yxy	42.5025, 0.3035, 0.2603
Android (android.graphics.Color)	4291534809 (0xFFC9B9FD9)
YUV	178.7680, 18.8484, 21.2515
Hunter-Lab	65.1939, 21.5807, -19.1508

Details

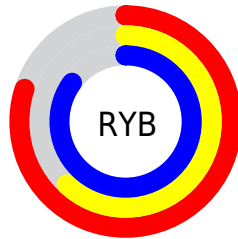
The XYZ color **49.5511, 42.5025, 71.2378** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3059, 61.0142, 42.0338**, and the grayscale version is **42.6255, 44.8453, 48.8365**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **23.9920, 19.4199, 36.6663** is the 20% darker color. If you saturate the color by 10%, you get **44.7399, 34.9614, 70.0364**, and if you desaturate by 10%, it is **55.0682, 51.3821, 72.6616**.

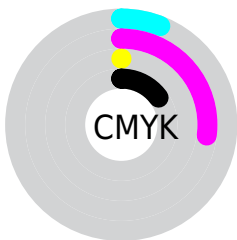
Distribution



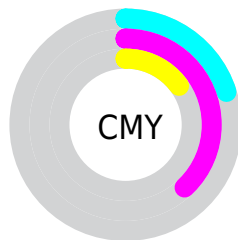
- Red (80%)
- Green (62%)
- Blue (85%)



- Red (80%)
- Yellow (62%)
- Blue (85%)



- Cyan (6%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5511, 42.5025, 71.2378 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 49.5511, 42.5025, 71.2378 by changing the saturation by 10% instead.

■ 49.5511, 42.5025,
71.2378

■ 49.5511, 42.5025,
71.2378

375.3889,
356.5618, 483.7903

■ 35.2732, 29.4950,
52.0533

■ 88.7052, 78.9596,
122.6699

■ 24.0409, 19.4556,
36.6650

■ 114.3121,
103.1779, 155.7545

■ 15.4889, 11.9999,
24.6545

144.4261,
131.9019, 194.3096

■ 9.2517, 6.7436,
15.6031

179.4124,
165.5161, 238.7536

■ 4.9642, 3.3023,
9.0925

219.6365,
204.4048, 289.5051

■ 2.2608, 1.2915,
4.7039

265.4638,

■ 0.7745, 0.1346,

248.9524, 346.9828

2.0189

317.2594,
299.5432, 411.6050

■ 0.0000, 0.0000,
0.5669

■ 0.0000, 0.0000,
0.0000

■ 49.5511, 42.5025,
71.2378

■ 49.5511, 42.5025,
71.2378

■ 44.7399, 34.9614,
70.0364

■ 55.0682, 51.3821,
72.6616

■ 40.5960, 28.6847,
69.0433

■ 61.3194, 61.6586,
74.3157

■ 37.0827, 23.5993,
68.2469

■ 68.3362, 73.3934,
76.2109

■ 34.1582, 19.6221,
67.6334

■ 76.1470, 86.6425,
78.3566

■ 31.7754, 16.6594,
67.1871

■ 80.6588, 93.2193,
79.3882

■ 29.8789, 14.6015,
66.8898

■ 82.3574, 94.0950,
79.4677

■ 28.3980, 13.3073,
66.7181

■ 84.1069, 94.9969,
79.5496

■ 27.9629, 12.9686,
66.6756

■ 85.9077, 95.9253,
79.6339

■ 87.7603, 96.8803,
79.7206

Harmonies

Analogous

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



44.1542, 42.5025, 84.4442



49.5511, 42.5025, 71.2378



52.5955, 42.5025, 52.9407

Triad

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



49.5511, 42.5025, 71.2378



42.6613, 42.5025, 21.1398



30.5635, 42.5025, 57.5251

Complementary

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



49.5511, 42.5025, 71.2378



48.3059, 61.0142, 42.0338

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.



30.2480, 42.5025, 40.1992



49.5511, 42.5025, 71.2378



36.8599, 42.5025, 21.7942

Square

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



49.5511, 42.5025, 71.2378



48.3669, 42.5025, 25.8794



32.4466, 42.5025, 27.9579



33.3552, 42.5025, 75.2901

Rectangle

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



49.5511, 42.5025, 71.2378



52.7009, 42.5025, 41.5193



32.4466, 42.5025, 27.9579



30.1753, 42.5025, 51.3871

Sweetspot

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



49.5524, 42.5043, 71.2387



87.0955, 86.7459, 106.7609



41.8637, 42.4618, 71.6358



18.3391, 18.0665, 22.7706



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.



49.5524, 42.5043, 71.2387



67.4316, 54.9746, 101.6649



51.7346, 43.8377, 61.9239



13.2913, 13.1083, 16.4818



17.0263, 7.9015, 40.3662



1.1782, 0.5507, 2.6186

Inverse Universe

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



48.5576, 42.5669, 45.1940



65.8968, 55.1554, 57.6815



46.7037, 60.0342, 48.9173



13.1843, 13.1028, 14.2315



17.7375, 9.0960, 2.9978



1.1831, 0.6029, 0.3730

Previews

White Background



This preview shows how the XYZ color 49.5511, 42.5025, 71.2378 looks on a white background.

Color Contrast Check

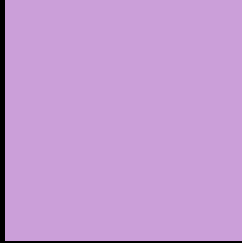
Large Text (above 18pt) WCAG AA × Fail

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 49.5511, 42.5025, 71.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

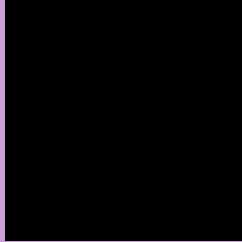
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5511, 42.5025, 71.2378

Background



This preview shows how black text looks on a background with the XYZ color 49.5511, 42.5025, 71.2378.



This preview shows how white text looks on a background with the XYZ color 49.5511, 42.5025,

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

49.5511, 42.5025, 71.2378

Protanopia

43.3059, 42.9068, 78.6724

Deuteranopia

43.6232, 42.6900, 70.2308



Tritanopia

44.7989, 42.3974, 48.4702

Trichromacy



Original Color

49.5511, 42.5025, 71.2378

Protanomaly

45.2264, 42.5631, 75.6438

Deuteranomaly

45.7418, 42.6626, 70.7896

Tritanomaly

46.2760, 42.1868, 56.1559

Monochromacy



Original Color

49.5511, 42.5025, 71.2378

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.1172, 44.0467, 56.5760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5511, 42.5025, 71.2378 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, 159, 217)` looks like.

```
.text, #text, p{  
    color:rgb(203, 159, 217)  
}
```

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, 159, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 159, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.5511, 42.5025, 71.2378 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, 159, 217) }
```


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

```
.border{ border-color:rgb(203, 159, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 159, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 159, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 159, 217);  
box-shadow:4px 4px 4px 4px rgb(203, 159,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5511, 42.5025, 71.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 159, 217) }
```

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

```
.background{ background-color: rgb(203,  
159, 217) }
```

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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