

Converting Colors

XYZ(49.6865, 42.9548, 70.6070)

Have a look what the booklet for
XYZ(49.6865, 42.9548, 70.6070)
contains.

XYZ(49.5941, 42.7960, 70.6123)	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(49.5941, 42.7960,
70.6123)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA0D8
RGB	203, 160, 216
RGB Percent	80%, 63%, 85%
CMY	0.2039, 0.3725, 0.1529
CMYK	0.06, 0.26, 0.00, 0.15
HSL	286°, 42%, 74%
HSV	286°, 26%, 85%
XYZ	49.5941, 42.7960, 70.6123
YIQ	179.2410, 7.6520, 26.5320

Conversions

Conversions Part 2

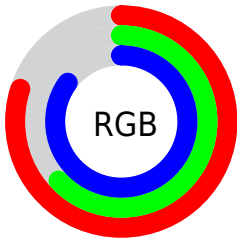
Format	Color
R _Y B	203, 160, 216
Decimal	13344984
CIE Lab	71.42, 25.74, -22.40
CIE LCh	71, 34.119, 318.969
Yxy	42.7960, 0.3043, 0.2625
Android (android.graphics.Color)	4291535064 (0xFFCBA0D8)
YUV	179.2410, 18.1222, 20.8366
Hunter-Lab	65.4187, 20.8388, -18.2040

Details

The XYZ color **49.5941, 42.7960, 70.6123** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1361, 60.5351, 42.4072**, and the grayscale version is **42.8809, 45.1140, 49.1292**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **24.0083, 19.5942, 36.2349** is the 20% darker color. If you saturate the color by 10%, you get **44.8268, 35.2552, 69.4087**, and if you desaturate by 10%, it is **55.0588, 51.6643, 72.0367**.

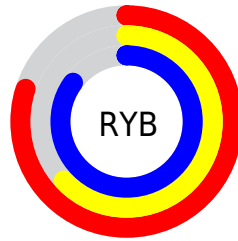
Distribution



Red (80%)

Green (63%)

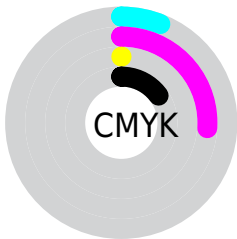
Blue (85%)



Red (80%)

Yellow (63%)

Blue (85%)

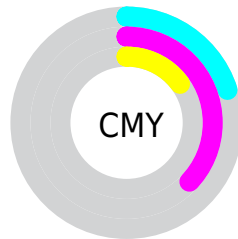


Cyan (6%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (20%)

Magenta (37%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5941, 42.7960, 70.6123 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 49.5941, 42.7960, 70.6123 by changing the saturation by 10% instead.

 49.5941, 42.7960,
70.6123


 49.5941, 42.7960,
70.6123

375.5548,
357.7721, 481.5441

 35.3075, 29.7251,
51.5460

 88.7686, 79.4029,
121.7708

 24.0674, 19.6300,
36.2636


 114.3872,
103.7077, 154.7001

 15.5087, 12.1264,
24.3465


144.5138,
132.5259, 193.0874

 9.2658, 6.8298,
15.3763

179.5138,
166.2420, 237.3514

 4.9734, 3.3559,
8.9344

219.7526,
205.2402, 287.9105

 2.2663, 1.3202,
4.6022

265.5954,

 0.7773, 0.1568,

249.9051, 345.1833

1.9612

317.4077,
300.6209, 409.5883

■ 0.0000, 0.0000,
0.5312

■ 0.0000, 0.0000,
0.0000

■ 49.5941, 42.7960,
70.6123

■ 49.5941, 42.7960,
70.6123

■ 44.8268, 35.2552,
69.4087

■ 55.0588, 51.6643,
72.0367

■ 40.7188, 28.9689,
68.4118

■ 61.2485, 61.9172,
73.6895

■ 37.2343, 23.8653,
67.6104

■ 68.1941, 73.6151,
75.5813

■ 34.3325, 19.8633,
66.9909

■ 75.9234, 86.8134,
77.7214

■ 31.9670, 16.8710,
66.5380

■ 80.1730, 92.9839,
78.6885

■ 30.0843, 14.7817,
66.2339

■ 81.7877, 93.8163,
78.7641

■ 28.6179, 13.4631,
66.0567

■ 83.4489, 94.6727,
78.8418

■ 28.0909, 13.0496,
66.0046

■ 85.1571, 95.5533,
78.9218

■ 86.9125, 96.4582,
79.0039

Harmonies

Analogous

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



44.3749, 42.7960, 83.3890



49.5941, 42.7960, 70.6123



52.5144, 42.7960, 52.9188

Triad

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



49.5941, 42.7960, 70.6123



42.8275, 42.7960, 21.9269



31.0959, 42.7960, 57.6597

Complementary

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



49.5941, 42.7960, 70.6123



48.1361, 60.5351, 42.4072

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.



30.7660, 42.7960, 40.8009



49.5941, 42.7960, 70.6123



37.1892, 42.7960, 22.6200

Square

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



49.5941, 42.7960, 70.6123



48.3699, 42.7960, 26.5700



32.8973, 42.7960, 28.7574



33.8451, 42.7960, 74.7783

Rectangle

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



49.5941, 42.7960, 70.6123



52.5964, 42.7960, 41.8361



32.8973, 42.7960, 28.7574



30.7088, 42.7960, 51.7072

Sweetspot

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



49.5955, 42.7978, 70.6132



87.1631, 86.7807, 106.7641



41.8499, 42.3461, 70.9343



18.3562, 18.0753, 22.7714



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.



49.5955, 42.7978, 70.6132



68.3735, 56.1952, 101.8508



51.4414, 43.9625, 61.0750



12.6581, 12.4807, 15.6794



16.7257, 7.7749, 39.0723



1.0789, 0.5051, 2.3599

Inverse Universe

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



48.4339, 42.7595, 45.2377



66.5270, 56.1996, 58.5576



46.7859, 59.6789, 49.5782



12.5402, 12.4676, 13.5189



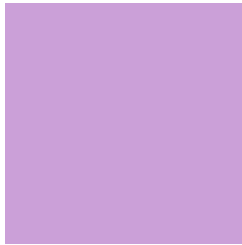
17.1392, 8.7920, 2.7711



1.0661, 0.5432, 0.3376

Previews

White Background



This preview shows how the XYZ color 49.5941, 42.7960, 70.6123 looks on a white background.

Color Contrast Check

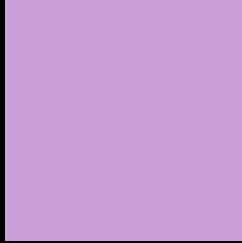
Large Text (above 18pt) WCAG AA × Fail

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 49.5941, 42.7960, 70.6123 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 49.5941, 42.7960, 70.6123

Background



This preview shows how black text looks on a background with the XYZ color 49.5941, 42.7960, 70.6123.



This preview shows how white text looks on a background with the XYZ color 49.5941, 42.7960,

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

49.5941, 42.7960, 70.6123

Protanopia

43.4345, 43.0048, 77.2457

Deuteranopia

43.9341, 42.8651, 69.5765



Tritanopia

45.3456, 42.9385, 49.0780

Trichromacy



Original Color

49.5941, 42.7960, 70.6123

Protanomaly

45.3189, 42.6263, 74.9464

Deuteranomaly

45.8516, 42.7341, 70.1218

Tritanomaly

46.7205, 42.6805, 56.2278

Monochromacy



Original Color

49.5941, 42.7960, 70.6123

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.0060, 44.0022, 55.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5941, 42.7960, 70.6123 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 160, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 160, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.5941, 42.7960, 70.6123 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, 216) }
```


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

```
.border{ border-color:rgb(203, 160, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 160, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 160, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 160,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5941, 42.7960, 70.6123 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, 216) }
```

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

```
.background{ background-color: rgb(203,  
160, 216) }
```

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