

Converting Colors

XYZ(49.5931, 41.6379, 77.4161)

Have a look what the booklet for
XYZ(49.5931, 41.6379, 77.4161)
contains.

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Color

**XYZ(49.7033, 41.6854,
77.3779)**

Conversions

Conversions Part 1

Format	Color
Hex	C99CE2
RGB	201, 156, 226
RGB Percent	79%, 61%, 89%
CMY	0.2118, 0.3882, 0.1137
CMYK	0.11, 0.31, 0.00, 0.11
HSL	279°, 55%, 75%
HSV	279°, 31%, 89%
XYZ	49.7033, 41.6854, 77.3779
YIQ	177.4350, 4.3500, 31.3100

Conversions

Conversions Part 2

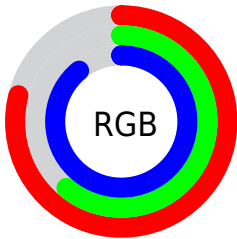
Format	Color
R _{YB}	201, 156, 226
Decimal	13212898
CIE _{Lab}	70.65, 29.32, -29.07
CIE _{LCh}	71, 41.292, 315.242
Y _{xy}	41.6854, 0.2945, 0.2470
Android (android.graphics.Color)	4291402978 (0xFFC99CE2)
YUV	177.4350, 23.9425, 20.6665
Hunter-Lab	64.5642, 24.4267, -25.8620

Details

The XYZ color **49.7033, 41.6854, 77.3779** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.2545, 66.6177, 41.5588**, and the grayscale version is **41.8962, 44.0780, 48.0010**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **24.0601, 18.9139, 40.4129** is the 20% darker color. If you saturate the color by 10%, you get **44.1451, 33.7053, 76.1312**, and if you desaturate by 10%, it is **56.0838, 51.1389, 78.8670**.

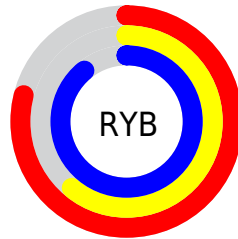
Distribution



Red (79%)

Green (61%)

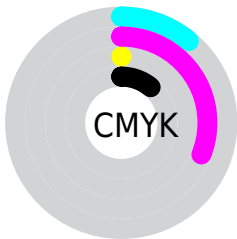
Blue (89%)



Red (79%)

Yellow (61%)

Blue (89%)

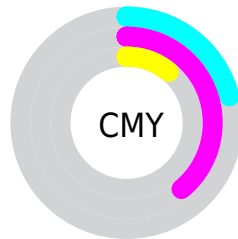


Cyan (11%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (21%)


Magenta (39%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7033, 41.6854, 77.3779 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 49.7033, 41.6854, 77.3779 by changing the saturation by 10% instead.


 49.7033, 41.6854,
77.3779


 49.7033, 41.6854,
77.3779

375.9757,
353.1771, 505.5234

 35.3945, 28.8550,
57.0497


 88.9296, 77.7233,
131.4507

 24.1349, 18.9712,
40.6355


 114.5778,
101.6996, 166.0323

 15.5590, 11.6495,
27.7168


144.7365,
130.1599, 206.2021

 9.3015, 6.5055,
17.8751

179.7712,
163.4888, 252.3787

 4.9970, 3.1548,
10.6919

220.0471,
202.0706, 304.9806

 2.2803, 1.2131,
5.7485

265.9295,

 0.7845, 0.0723,

246.2896, 364.4263

2.6264

317.7840,
296.5303, 431.1344

■ 0.0000, 0.0000,
0.9061

■ 0.0000, 0.0000,
0.0000

■ 49.7033, 41.6854,
77.3779

■ 49.7033, 41.6854,
77.3779

■ 44.1451, 33.7053,
76.1312

■ 56.0838, 51.1389,
78.8670

■ 39.3642, 27.1139,
75.1109

■ 63.3203, 62.1336,
80.6078

■ 35.3171, 21.8262,
74.3036

■ 71.4496, 74.7397,
82.6125

■ 31.9540, 17.7450,
73.6931

■ 80.5049, 89.0211,
84.8918

■ 29.2180, 14.7592,
73.2610

■ 85.8860, 95.7751,
85.9119

■ 27.0413, 12.7365,
72.9853

■ 88.7083, 97.2300,
86.0440

■ 25.4551, 11.5368,
72.8373

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



43.1767, 41.6854, 92.2411



49.7033, 41.6854, 77.3779



53.7346, 41.6854, 55.6658

Triad

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



49.7033, 41.6854, 77.3779



43.0633, 41.6854, 17.8561



28.2466, 41.6854, 56.0182

Complementary

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



49.7033, 41.6854, 77.3779



52.2545, 66.6177, 41.5588

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.



28.2237, 41.6854, 36.4607



49.7033, 41.6854, 77.3779



36.2656, 41.6854, 17.9003

Square

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



49.7033, 41.6854, 77.3779



49.6121, 41.6854, 23.5667



31.0031, 41.6854, 23.7122



31.0698, 41.6854, 77.6990

Rectangle

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



49.7033, 41.6854, 77.3779



54.1998, 41.6854, 42.0362



31.0031, 41.6854, 23.7122



27.9229, 41.6854, 48.9141

Sweetspot

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



49.7047, 41.6872, 77.3788



85.2092, 84.6998, 106.4654



44.0991, 45.8801, 78.4836



17.9175, 17.6354, 22.7096



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.



49.7047, 41.6872, 77.3788



60.6451, 48.0074, 100.6778



55.7347, 44.9397, 71.1561



13.7953, 13.6780, 17.3007



14.6558, 6.6506, 41.5596



1.1123, 0.5107, 2.8852

Inverse Universe

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



51.5943, 43.2836, 49.3530



63.7004, 50.5382, 57.6407



47.7300, 64.1904, 45.6327



13.9085, 13.7810, 15.2881



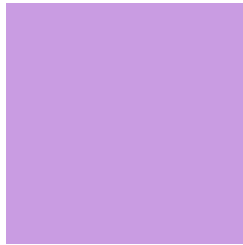
18.7859, 9.5814, 5.5384



1.3438, 0.6808, 0.6034

Previews

White Background



This preview shows how the XYZ color 49.7033, 41.6854, 77.3779 looks on a white background.

Color Contrast Check

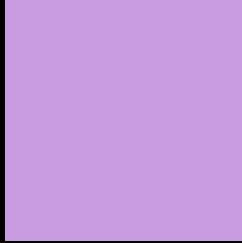
Large Text (above 18pt) WCAG AA × Fail

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 49.7033, 41.6854, 77.3779 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 49.7033, 41.6854, 77.3779

Background



This preview shows how black text looks on a background with the XYZ color 49.7033, 41.6854, 77.3779.



This preview shows how white text looks on a background with the XYZ color 49.7033, 41.6854,

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

49.7033, 41.6854, 77.3779

Protanopia

43.1754, 42.1103, 85.9733

Deuteranopia

42.7983, 41.8637, 75.6368



Tritanopia

43.7391, 41.5940, 47.8426

Trichromacy



Original Color

49.7033, 41.6854, 77.3779

Protanomaly

45.1388, 41.8136, 82.7825

Deuteranomaly

45.0411, 41.6392, 76.1843

Tritanomaly

45.7966, 41.6511, 57.2555

Monochromacy



Original Color

49.7033, 41.6854, 77.3779

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.2880, 42.7552, 57.5481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7033, 41.6854, 77.3779 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(201, 156, 226)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 226)  
}
```

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(201, 156, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.7033, 41.6854, 77.3779 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(201, 156, 226) }
```


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

```
.border{ border-color:rgb(201, 156, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 226);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7033, 41.6854, 77.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 226) }
```

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

```
.background{ background-color: rgb(201,  
156, 226) }
```

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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