

Converting Colors

XYZ(49.1699, 42.1054, 77.2286)

Have a look what the booklet for
XYZ(49.1699, 42.1054, 77.2286)
contains.

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Color

**XYZ(49.1516, 42.1576,
77.4982)**

Conversions

Conversions Part 1

Format	Color
Hex	C59FE2
RGB	197, 159, 226
RGB Percent	77%, 62%, 89%
CMY	0.2274, 0.3765, 0.1137
CMYK	0.13, 0.30, 0.00, 0.11
HSL	274°, 54%, 75%
HSV	274°, 30%, 89%
XYZ	49.1516, 42.1576, 77.4982
YIQ	178.0000, 1.1410, 28.8930

Conversions

Conversions Part 2

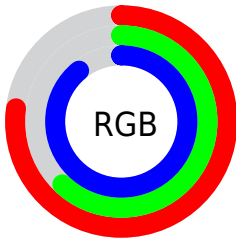
Format	Color
R_{YB}	197, 159, 226
Decimal	12951522
CIE _{Lab}	70.98, 26.42, -28.60
CIE _{LCh}	71, 38.939, 312.726
Yxy	42.1576, 0.2912, 0.2497
Android (android.graphics.Color)	4291141602 (0xFFC59FE2)
YUV	178.0000, 23.6640, 16.6630
Hunter-Lab	64.9289, 21.5001, -25.3175

Details

The XYZ color **49.1516, 42.1576, 77.4982** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.1948, 67.5883, 42.9923**, and the grayscale version is **42.1965, 44.3940, 48.3451**.

A 20% lighter version of the original color is **82.9696, 76.3840, 104.9783**, and **23.6687, 19.1685, 40.4826** is the 20% darker color. If you saturate the color by 10%, you get **43.1362, 33.8060, 76.2039**, and if you desaturate by 10%, it is **56.0465, 52.0194, 79.0390**.

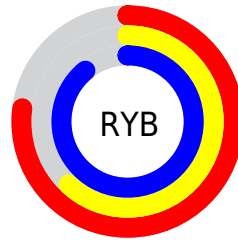
Distribution



Red (77%)

Green (62%)

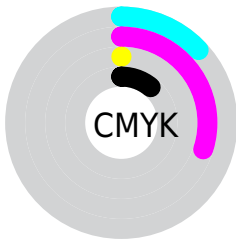
Blue (89%)



Red (77%)

Yellow (62%)

Blue (89%)

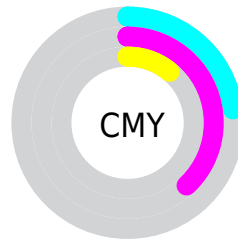


Cyan (13%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (23%)


Magenta (38%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1516, 42.1576, 77.4982 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 49.1516, 42.1576, 77.4982 by changing the saturation by 10% instead.


 49.1516, 42.1576,
77.4982


 49.1516, 42.1576,
77.4982


373.8459,
355.1358, 505.9437

 34.9548, 29.2247,
57.1479


 88.1159, 78.4381,
131.6219

 23.7944, 19.2509,
40.7138


 113.6142,
102.5545, 166.2324

 15.3051, 11.8517,
27.7775


143.6103,
131.1675, 206.4333

 9.1215, 6.6428,
17.9204

178.4696,
164.6616, 252.6432

 4.8783, 3.2397,
10.7240

218.5574,
203.4210, 305.2807

 2.2100, 1.2581,
5.7698

264.2392,

 0.7480, 0.1084,

247.8303, 364.7642

2.6391

315.8802,
298.2738, 431.5124

■ 0.0000, 0.0000,
0.9125

■ 0.0000, 0.0000,
0.0000

■ 49.1516, 42.1576,
77.4982

■ 49.1516, 42.1576,
77.4982

■ 43.1362, 33.8060,
76.2039

■ 56.0465, 52.0194,
79.0390

■ 37.9542, 26.8801,
75.1402

■ 63.8557, 63.4594,
80.8355

■ 33.5613, 21.2952,
74.2937

■ 72.6168, 76.5475,
82.9000

■ 29.9071, 16.9550,
73.6486

■ 82.3640, 91.3481,
85.2431

■ 26.9340, 13.7497,
73.1866

■ 87.4632, 96.5882,
85.9858

■ 24.5745, 11.5497,
72.8863

■ 90.7276, 98.2710,
86.1386

■ 22.7179, 10.1386,
72.7118

■ 22.6566, 10.0941,
72.7064

Harmonies

Analogous

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



42.8833, 42.1576, 90.3602



49.1516, 42.1576, 77.4982



53.2130, 42.1576, 57.3597

Triad

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



49.1516, 42.1576, 77.4982



43.8924, 42.1576, 19.5248



29.0832, 42.1576, 54.2384

Complementary

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



49.1516, 42.1576, 77.4982



54.1948, 67.5883, 42.9923

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.



29.2908, 42.1576, 36.0825



49.1516, 42.1576, 77.4982



37.3816, 42.1576, 19.1124

Square

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



49.1516, 42.1576, 77.4982



49.9588, 42.1576, 25.6650



32.1814, 42.1576, 24.3273



31.5799, 42.1576, 74.6881

Rectangle

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



49.1516, 42.1576, 77.4982



53.8791, 42.1576, 44.2228



32.1814, 42.1576, 24.3273



28.8476, 42.1576, 47.6242

Sweetspot

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



49.1530, 42.1594, 77.4991



84.6000, 84.3858, 106.4369



46.0174, 48.8443, 78.9547



17.7672, 17.5579, 22.7025



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.



49.1530, 42.1594, 77.4991



59.2851, 47.9728, 100.7427



56.8857, 46.2156, 74.7029



13.6923, 13.6249, 17.2959



13.0641, 5.8301, 41.4851



1.0076, 0.4567, 2.8803

Inverse Universe

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



52.8406, 44.5976, 53.4018



65.1444, 51.8341, 63.0306



48.1486, 64.4258, 44.7696



13.9523, 13.7986, 15.5191



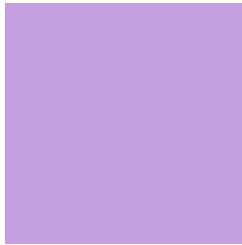
19.2032, 9.7483, 7.7358



1.3753, 0.6934, 0.7694

Previews

White Background



This preview shows how the XYZ color 49.1516, 42.1576, 77.4982 looks on a white background.

Color Contrast Check

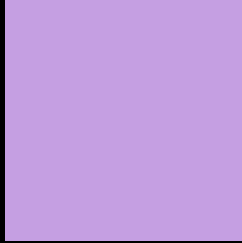
Large Text (above 18pt) WCAG AA × Fail

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 49.1516, 42.1576, 77.4982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

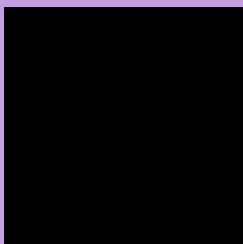
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1516, 42.1576, 77.4982

Background



This preview shows how black text looks on a background with the XYZ color 49.1516, 42.1576, 77.4982.



This preview shows how white text looks on a background with the XYZ color 49.1516, 42.1576,

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

49.1516, 42.1576, 77.4982

Protanopia

43.4582, 42.5711, 84.5238

Deuteranopia

43.3273, 42.4002, 76.4215



Tritanopia

43.5783, 42.2886, 49.5818

Trichromacy



Original Color

49.1516, 42.1576, 77.4982

Protanomaly

45.1788, 42.1216, 82.0930

Deuteranomaly

45.3138, 42.3038, 77.0113

Tritanomaly

45.5255, 42.2789, 58.5845

Monochromacy



Original Color

49.1516, 42.1576, 77.4982

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4208, 43.3802, 57.6618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1516, 42.1576, 77.4982 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(197, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(197, 159, 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(197, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 159, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.1516, 42.1576, 77.4982 is called "border". The border property can be set on classes, ids or directly on the HTML element.

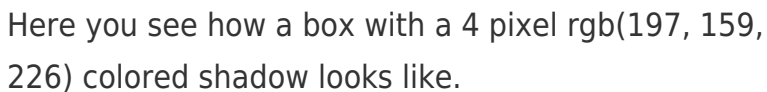
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 159, 226) }
```


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

```
.border{ border-color:rgb(197, 159, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 159, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 159, 226); box-shadow:4px 4px 4px 4px rgb(197, 159, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1516, 42.1576, 77.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 159, 226) }
```

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

```
.background{ background-color: rgb(197,  
159, 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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