

Converting Colors

XYZ(49.0989, 41.2772, 79.5093)

Have a look what the booklet for
XYZ(49.0989, 41.2772, 79.5093)
contains.

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Color

**XYZ(49.0573, 41.3044,
79.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	C59CE5
RGB	197, 156, 229
RGB Percent	77%, 61%, 90%
CMY	0.2274, 0.3882, 0.1020
CMYK	0.14, 0.32, 0.00, 0.10
HSL	274°, 58%, 75%
HSV	274°, 32%, 90%
XYZ	49.0573, 41.3044, 79.5157
YIQ	176.5810, 1.0030, 31.3950

Conversions

Conversions Part 2

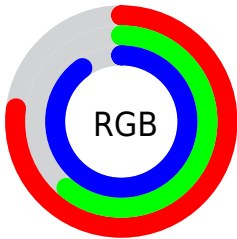
Format	Color
R_{YB}	197, 156, 229
Decimal	12950757
CIE _{Lab}	70.39, 28.71, -31.16
CIE _{LCh}	70, 42.369, 312.656
Yxy	41.3044, 0.2888, 0.2431
Android (android.graphics.Color)	4291140837 (0xFFC59CE5)
YUV	176.5810, 25.8426, 17.9075
Hunter-Lab	64.2685, 23.7824, -28.3681

Details

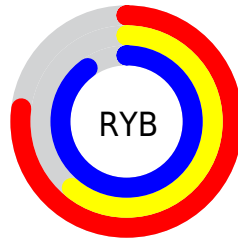
The XYZ color **49.0573, 41.3044, 79.5157** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7604, 69.1313, 41.9118**, and the grayscale version is **41.4402, 43.5983, 47.4785**.

A 20% lighter version of the original color is **82.2173, 74.8794, 104.7276**, and **23.6485, 18.6685, 41.8921** is the 20% darker color. If you saturate the color by 10%, you get **43.0294, 33.0210, 78.2352**, and if you desaturate by 10%, it is **55.9874, 51.1303, 81.0477**.

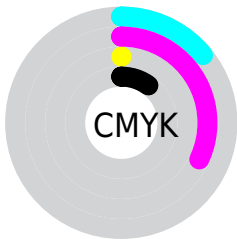
Distribution



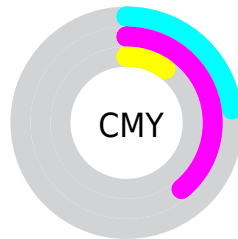
- Red (77%)
- Green (61%)
- Blue (90%)



- Red (77%)
- Yellow (61%)
- Blue (90%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (10%)




- Cyan (23%)
- Magenta (39%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0573, 41.3044, 79.5157 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 49.0573, 41.3044, 79.5157 by changing the saturation by 10% instead.


 49.0573, 41.3044,
79.5157


 49.0573, 41.3044,
79.5157


373.4811,
351.5912, 512.9629

 34.8797, 28.5570,
58.7961


 87.9768, 77.1458,
134.4899

 23.7363, 18.7460,
42.0301


 113.4493,
101.0085, 169.5815

 15.2618, 11.4869,
28.7991


143.4175,
129.3452, 210.3008

 9.0908, 6.3953,
18.6846

178.2467,
162.5402, 257.0665

 4.8581, 3.0869,
11.2681

218.3023,
200.9779, 310.2970

 2.1981, 1.1773,
6.1310

263.9497,

 0.7417, 0.0430,

245.0427, 370.4109

2.8548

315.5542,
295.1190, 437.8266

■ 0.0000, 0.0000,
1.0210

■ 0.0000, 0.0000,
0.0000

■ 49.0573, 41.3044,
79.5157

■ 49.0573, 41.3044,
79.5157

■ 43.0294, 33.0210,
78.2352

■ 55.9874, 51.1303,
81.0477

■ 37.8554, 26.1915,
77.1897

■ 63.8564, 62.5703,
82.8411

■ 33.4883, 20.7261,
76.3649

■ 72.7040, 75.6979,
84.9087

■ 29.8743, 16.5226,
75.7440

■ 82.5660, 90.5804,
87.2615

■ 26.9520, 13.4636,
75.3076

■ 88.3293, 96.9867,
88.1943

■ 24.6483, 11.4087,
75.0324

■ 91.1430, 98.4372,
88.3259

■ 23.1381, 10.2944,
74.8969

Harmonies

Analogous

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



42.2686, 41.3044, 93.7757



49.0573, 41.3044, 79.5157



53.4900, 41.3044, 57.4121

Triad

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



49.0573, 41.3044, 79.5157



43.3905, 41.3044, 17.3858



27.5810, 41.3044, 53.9177

Complementary

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



49.0573, 41.3044, 79.5157



54.7604, 69.1313, 41.9118

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.



27.8058, 41.3044, 34.4752



49.0573, 41.3044, 79.5157



36.3949, 41.3044, 16.9582

Square

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



49.0573, 41.3044, 79.5157



49.9619, 41.3044, 23.6580



30.8601, 41.3044, 22.2409



30.2047, 41.3044, 76.3144

Rectangle

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



49.0573, 41.3044, 79.5157



54.2245, 41.3044, 43.2180



30.8601, 41.3044, 22.2409



27.3358, 41.3044, 46.7758

Sweetspot

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



49.0587, 41.3061, 79.5166



83.4543, 82.7370, 106.1791



46.0200, 49.0574, 81.1729



17.5359, 17.2279, 22.6510



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.



49.0587, 41.3061, 79.5166



57.5964, 45.7828, 100.4090



57.8411, 45.8919, 77.2950



14.3534, 14.2844, 18.1450



13.3698, 5.9583, 42.8286



1.0942, 0.4951, 3.1699

Inverse Universe

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



53.2800, 44.0674, 53.2763



63.9768, 49.9450, 61.2661



48.0456, 65.6334, 43.2355



14.6381, 14.4724, 16.2946



19.8591, 10.0778, 8.1527



1.5135, 0.7631, 0.8447

Previews

White Background



This preview shows how the XYZ color 49.0573, 41.3044, 79.5157 looks on a white background.

Color Contrast Check

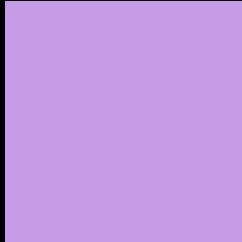
Large Text (above 18pt) WCAG AA × Fail

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 49.0573, 41.3044, 79.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

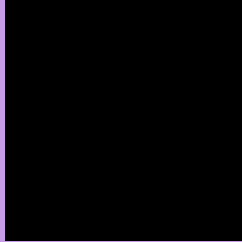
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0573, 41.3044, 79.5157

Background



This preview shows how black text looks on a background with the XYZ color 49.0573, 41.3044, 79.5157.



This preview shows how white text looks on a background with the XYZ color 49.0573, 41.3044,

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

49.0573, 41.3044, 79.5157

Protanopia

42.8654, 41.6200, 88.2123

Deuteranopia

42.4126, 41.3405, 77.6956



Tritanopia

42.7592, 41.3459, 48.3747

Trichromacy



Original Color

49.0573, 41.3044, 79.5157

Protanomaly

44.7439, 41.2912, 84.9686

Deuteranomaly

44.3742, 40.9812, 78.2444

Tritanomaly

44.7366, 41.0783, 58.3944

Monochromacy



Original Color

49.0573, 41.3044, 79.5157

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.9189, 42.5518, 58.1231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0573, 41.3044, 79.5157 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, 156, 229)` looks like.

```
.text, #text, p{  
    color:rgb(197, 156, 229)  
}
```

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, 156, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 156, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.0573, 41.3044, 79.5157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

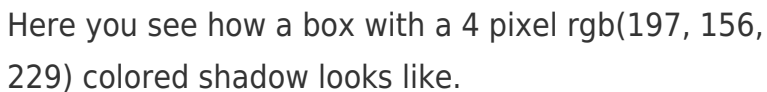
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 156, 229) }
```


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

```
.border{ border-color:rgb(197, 156, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 156, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 156, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 156, 229); box-shadow:4px 4px 4px 4px rgb(197, 156, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0573, 41.3044, 79.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 156, 229) }
```

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

```
.background{ background-color: rgb(197,  
156, 229) }
```

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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