

Converting Colors

CIELCh(49, 41.075, 303.020)

Have a look what the booklet for
CIELCh(49, 41.075, 303.020)
contains.

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Color

CIELCh(49, 41.027, 302.894)

Conversions

Conversions Part 1

Format	Color
Hex	7B6AAF
RGB	123, 106, 175
RGB Percent	48%, 42%, 69%
CMY	0.5179, 0.5845, 0.3140
CMYK	0.30, 0.39, 0.00, 0.31
HSL	255°, 30%, 55%
HSV	255°, 39%, 69%
XYZ	21.0380, 17.5941, 42.8101
YIQ	118.9490, -12.0170, 25.0630

Conversions

Conversions Part 2

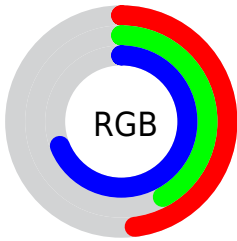
Format	Color
R_{YB}	123, 106, 175
Decimal	8088239
CIE _{Lab}	49.00, 22.28, -34.45
CIE _{LCh}	49, 41.027, 302.894
Yxy	17.5941, 0.2583, 0.2160
Android (android.graphics.Color)	4286278319 (0xFF7B6AAF)
YUV	118.9490, 27.6331, 3.5527
Hunter-Lab	41.9453, 16.1240, -31.1508

Details

The CIELCh color `49, 41.027, 302.894` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `69, 37.604, 117.321`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 41.364, 303.035`, and `29, 40.635, 302.848` is the 20% darker color. If you saturate the color by 10%, you get `43, 52.238, 303.923`, and if you desaturate by 10%, it is `55, 30.094, 301.954`.

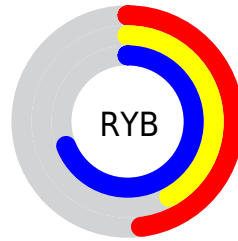
Distribution



Red (48%)

Green (42%)

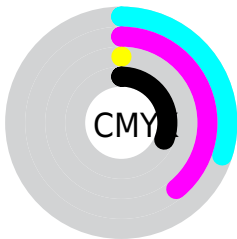
Blue (69%)



Red (48%)

Yellow (42%)

Blue (69%)

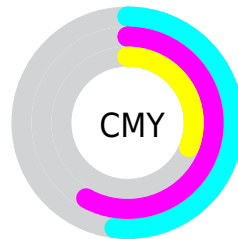


Cyan (30%)

Magenta (39%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (58%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 41.027, 302.894 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 CIELCh color 49, 41.027, 302.894 by changing the saturation by 10% instead.

■ 49, 41.027,
302.894

■ 49, 41.027,
302.894

■ 100, 41.027,
302.894

■ 39, 41.027,
302.894

■ 69, 41.027,
302.894

■ 29, 41.027,
302.894

■ 79, 41.027,
302.894

■ 19, 41.027,
302.894

■ 89, 41.027,
302.894

■ 9, 41.027, 302.894

■ 99, 41.027,
302.894

■ 0, 41.027, 302.894

■ 49, 41.027,

■ 49, 41.027,

302.894

43, 52.238,
303.923

38, 63.554,
305.005

33, 74.603,
306.064

29, 84.702,
306.968

25, 92.811,
307.532

22, 98.382,
307.711

22, 98.685,
307.728

302.894

55, 30.094,
301.954

60, 19.515,
301.115

66, 9.307, 300.376

72, 0.533, 119.785

77, 10.022,
119.182

83, 19.176,
118.700

89, 28.018,
118.285

94, 36.566,
117.928

■ 97, 40.499,
114.437

Harmonies

Complementary

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



49, 41.027, 302.894



69, 37.604, 117.321

Rectangle

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



49, 41.027, 302.894



49, 41.027, 352.894



49, 41.027, 122.894



49, 41.027, 172.894

Sweetspot

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



49, 41.026, 302.894



82, 14.693, 300.571



62, 19.217, 226.324



43, 9.847, 300.663



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 41.026, 302.894



57, 61.225, 303.751



52, 43.525, 318.442



34, 5.541, 300.366



18, 88.196, 307.825



1, 11.476, 298.028

Inverse Universe

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



54, 38.963, 334.904



65, 56.713, 335.555



67, 42.465, 134.784



34, 5.550, 332.765



33, 64.735, 340.855



2, 10.978, 335.459

Previews

White Background



This preview shows how the CIELCh color 49, 41.027, 302.894 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 41.027, 302.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

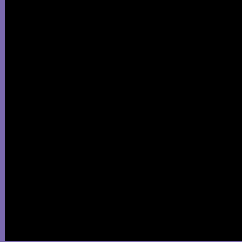
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 41.027, 302.894

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.027, 302.894.

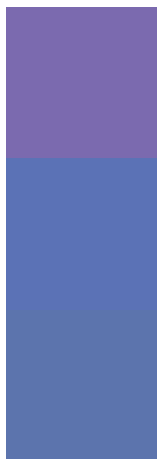


This preview shows how white text looks on a background with the CIELCh color 49, 41.027, 302.894.

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, 41.027, 302.894

Protanopia

49, 40.119, 285.617

Deuteranopia

49, 33.866, 281.978



Tritanopia
49, 5.970, 279.727

Trichromacy



Original Color
49, 41.027, 302.894

Protanomaly
49, 39.922, 291.690

Deuteranomaly
49, 36.425, 290.363

Tritanomaly
49, 18.981, 298.136

Monochromacy



Original Color
49, 41.027, 302.894

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 14.906, 300.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.027, 302.894 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(123, 106, 175)` looks like.

```
.text, #text, p{  
    color:rgb(123, 106, 175)  
}
```

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(123, 106, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 106, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.027, 302.894 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(123, 106, 175) }
```

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

```
.border{ border-color:rgb(123, 106, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 106, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 106, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 106, 175);  
box-shadow:4px 4px 4px 4px rgb(123, 106,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.027, 302.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 106, 175) }
```

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

```
.background{ background-color: rgb(123,  
106, 175) }
```

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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