

Converting Colors

CIELCh(49, 25.753, 298.433)

Have a look what the booklet for
CIELCh(49, 25.753, 298.433)
contains.

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Color

CIELCh(49, 26.070, 298.872)

Conversions

Conversions Part 1

Format	Color
Hex	766F9B
RGB	118, 111, 155
RGB Percent	46%, 44%, 61%
CMY	0.5372, 0.5646, 0.3921
CMYK	0.24, 0.28, 0.00, 0.39
HSL	250°, 18%, 52%
HSV	250°, 28%, 61%
XYZ	19.0794, 17.5941, 33.4111
YIQ	118.1090, -9.9520, 15.1680

Conversions

Conversions Part 2

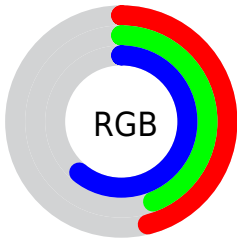
Format	Color
R _Y B	118, 111, 155
Decimal	7761819
CIE Lab	49.00, 12.59, -22.83
CIE LCh	49, 26.070, 298.872
Yxy	17.5941, 0.2722, 0.2510
Android (android.graphics.Color)	4285951899 (0xFF766F9B)
YUV	118.1090, 18.1873, -0.0956
Hunter-Lab	41.9453, 7.7892, -17.8652

Details

The CIELCh color $49, 26.070, 298.872$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 24.469, 114.371$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 26.062, 298.704$, and $29, 26.567, 299.532$ is the 20% darker color. If you saturate the color by 10%, you get $44, 35.934, 299.993$, and if you desaturate by 10%, it is $54, 16.562, 297.889$.

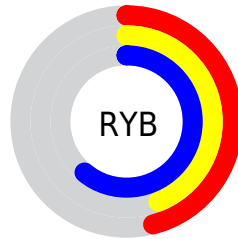
Distribution



Red (46%)

Green (44%)

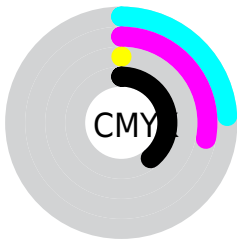
Blue (61%)



Red (46%)

Yellow (44%)

Blue (61%)

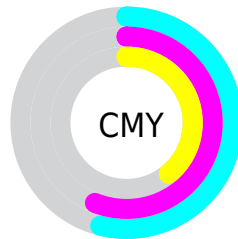


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (39%)



Cyan (54%)

Magenta (56%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 26.070, 298.872 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, 26.070, 298.872 by changing the saturation by 10% instead.

■ 49, 26.070,
298.872

■ 49, 26.070,
298.872

■ 100, 26.070,
298.872

■ 39, 26.070,
298.872

■ 69, 26.070,
298.872

■ 29, 26.070,
298.872

■ 79, 26.070,
298.872

■ 19, 26.070,
298.872

■ 89, 26.070,
298.872

■ 9, 26.070, 298.872

■ 99, 26.070,
298.872

■ 0, 26.070, 298.872

■ 49, 26.070,

■ 49, 26.070,

298.872

44, 35.934,
299.993

39, 46.124,
301.249

33, 56.522,
302.613

29, 66.849,
304.015

24, 76.527,
305.317

21, 84.580,
306.311

19, 90.303,
306.905

18, 91.203,
307.026

298.872

54, 16.562,
297.889

60, 7.413, 297.036

65, 1.394, 116.297

70, 9.878, 115.665

75, 18.059,
115.120

80, 25.959,
114.650

85, 33.595,
114.246

90, 40.985,
113.897

95, 48.144,

Harmonies

Complementary

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



49, 26.070, 298.872



62, 24.469, 114.371

Rectangle

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



49, 26.070, 298.872



49, 26.070, 348.872



49, 26.070, 118.872



49, 26.070, 168.872

Sweetspot

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



49, 26.069, 298.872



75, 9.866, 297.100



59, 13.601, 214.339



39, 6.928, 297.210



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 26.069, 298.872



59, 39.127, 299.559



51, 27.814, 315.322



30, 4.952, 297.103



16, 84.701, 307.079



0, 5.267, 296.307

Inverse Universe

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



52, 27.153, 330.840



64, 40.158, 331.234



61, 27.125, 132.856



30, 5.322, 329.653



32, 65.589, 335.573



1, 5.664, 329.576

Previews

White Background



This preview shows how the CIE LCh color 49, 26.070, 298.872 looks on a white background.

Color Contrast Check

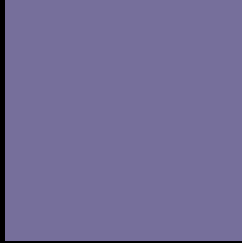
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.070, 298.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

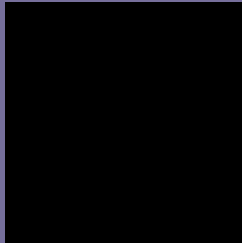
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 26.070, 298.872

Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.070, 298.872.



This preview shows how white text looks on a background with the CIELCh color 49, 26.070, 298.872.

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, 26.070, 298.872

Protanopia

49, 25.391, 285.066

Deuteranopia

49, 22.982, 286.256



Tritanopia
49, 5.477, 274.427

Trichromacy



Original Color
49, 26.070, 298.872

Protanomaly
49, 25.268, 289.547

Deuteranomaly
49, 23.497, 290.657

Tritanomaly
49, 12.932, 291.865

Monochromacy



Original Color
49, 26.070, 298.872

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 9.495, 298.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 26.070, 298.872 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(118, 111, 155)` looks like.

```
.text, #text, p{  
    color:rgb(118, 111, 155)  
}
```

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(118, 111, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 111, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 26.070, 298.872 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(118, 111, 155) }
```

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

```
.border{ border-color:rgb(118, 111, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 111, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 111, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 111, 155);  
box-shadow:4px 4px 4px 4px rgb(118, 111,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 26.070, 298.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 111, 155) }
```

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

```
.background{ background-color: rgb(118,  
111, 155) }
```

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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