

Converting Colors

CIELCh(49, 40.941, 303.517)

Have a look what the booklet for
CIELCh(49, 40.941, 303.517)
contains.

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Color

CIELCh(49, 40.496, 303.439)

Conversions

Conversions Part 1

Format	Color
Hex	7C6AAE
RGB	124, 106, 174
RGB Percent	49%, 42%, 68%
CMY	0.5144, 0.5850, 0.3184
CMYK	0.29, 0.39, 0.00, 0.32
HSL	256°, 30%, 55%
HSV	256°, 39%, 68%
XYZ	21.0451, 17.5941, 42.2372
YIQ	119.1340, -11.1000, 24.9640

Conversions

Conversions Part 2

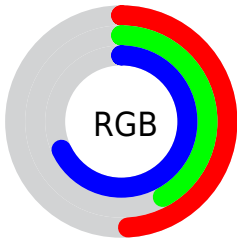
Format	Color
R_{YB}	124, 106, 174
Decimal	8153774
CIE _{Lab}	49.00, 22.32, -33.79
CIE _{LCh}	49, 40.496, 303.439
Yxy	17.5941, 0.2602, 0.2175
Android (android.graphics.Color)	4286343854 (0xFF7C6AAE)
YUV	119.1340, 27.0489, 4.2675
Hunter-Lab	41.9453, 16.1542, -30.3409

Details

The CIELCh color `49, 40.496, 303.439` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `68, 37.218, 118.108`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 40.877, 303.587`, and `29, 40.744, 303.790` is the 20% darker color. If you saturate the color by 10%, you get `43, 51.625, 304.417`, and if you desaturate by 10%, it is `55, 29.632, 302.542`.

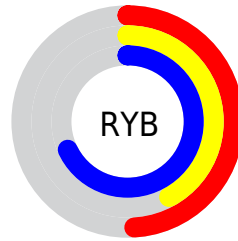
Distribution



Red (49%)

Green (42%)

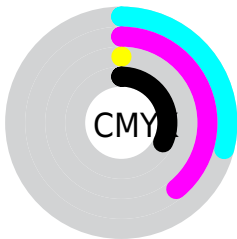
Blue (68%)



Red (49%)

Yellow (42%)

Blue (68%)

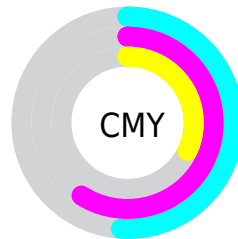


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (32%)



Cyan (51%)

Magenta (59%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 40.496, 303.439 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, 40.496, 303.439 by changing the saturation by 10% instead.


 49, 40.496,
303.439


 49, 40.496,
303.439


 100, 40.496,
303.439


 39, 40.496,
303.439

 69, 40.496,
303.439


 29, 40.496,
303.439

 79, 40.496,
303.439

 19, 40.496,
303.439

 89, 40.496,
303.439

 9, 40.496, 303.439

 99, 40.496,
303.439

 0, 40.496, 303.439

 49, 40.496,

 49, 40.496,

303.439

43, 51.625,
304.417

38, 62.845,
305.440

33, 73.792,
306.436

29, 83.807,
307.278

25, 91.890,
307.788

23, 97.461,
307.912

22, 97.939,
307.933

303.439

55, 29.632,
302.542

60, 19.110,
301.738

66, 8.951, 301.028

72, 0.848, 120.451

77, 10.299,
119.880

83, 19.420,
119.414

88, 28.232,
119.013

94, 36.753,
118.668

■ 97, 41.198,
115.739

Harmonies

Complementary

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



49, 40.496, 303.439



68, 37.218, 118.108

Rectangle

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



49, 40.496, 303.439



49, 40.496, 353.439



49, 40.496, 123.439



49, 40.496, 173.439

Sweetspot

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



49, 40.495, 303.439



82, 14.723, 301.239



62, 18.937, 228.659



43, 9.867, 301.327



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, 40.495, 303.439



57, 61.264, 304.289



52, 43.073, 318.949



34, 5.552, 301.041



19, 87.948, 308.031



1, 11.494, 298.601

Inverse Universe

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



54, 37.979, 335.636



65, 56.028, 336.341



66, 42.116, 135.283



34, 5.478, 333.465



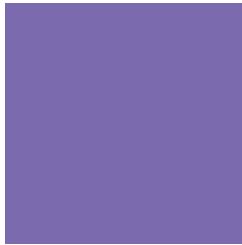
33, 63.928, 342.067



2, 10.809, 336.372

Previews

White Background



This preview shows how the CIELCh color 49, 40.496, 303.439 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, 40.496, 303.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

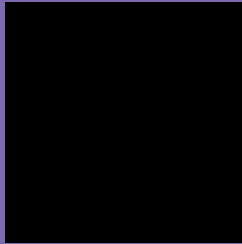
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 40.496, 303.439

Background



This preview shows how black text looks on a background with the CIELCh color 49, 40.496, 303.439.

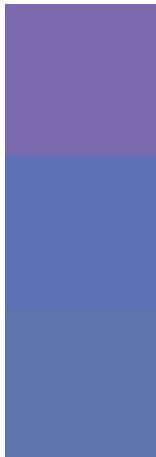


This preview shows how white text looks on a background with the CIELCh color 49, 40.496, 303.439.

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, 40.496, 303.439

Protanopia
49, 39.519, 285.751

Deuteranopia
49, 33.258, 282.115



Tritanopia
49, 5.333, 282.478

Trichromacy



Original Color
49, 40.496, 303.439

Protanomaly
49, 39.333, 291.987

Deuteranomaly
49, 35.832, 290.687

Tritanomaly
49, 18.440, 299.401

Monochromacy



Original Color
49, 40.496, 303.439

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 14.970, 302.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 40.496, 303.439 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(124, 106, 174)` looks like.

```
.text, #text, p{  
    color:rgb(124, 106, 174)  
}
```

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(124, 106, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 106, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 40.496, 303.439 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(124, 106, 174) }
```

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

```
.border{ border-color:rgb(124, 106, 174) }
```

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

Here you see how a box with a 4 pixel rgb(124, 106, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 106, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 106, 174);  
box-shadow:4px 4px 4px 4px rgb(124, 106,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 40.496, 303.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 106, 174) }
```

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

```
.background{ background-color: rgb(124,  
106, 174) }
```

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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