

Converting Colors

CIELCh(49, 69.553, 302.874)

Have a look what the booklet for
CIELCh(49, 69.553, 302.874)
contains.

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Color

CIELCh(49, 69.595, 302.750)

Conversions

Conversions Part 1

Format	Color
Hex	7762D9
RGB	119, 98, 217
RGB Percent	47%, 38%, 85%
CMY	0.5343, 0.6166, 0.1500
CMYK	0.45, 0.55, 0.00, 0.15
HSL	251°, 61%, 62%
HSV	251°, 55%, 85%
XYZ	24.4106, 17.5941, 67.5796
YIQ	117.8450, -25.6830, 41.4610

Conversions

Conversions Part 2

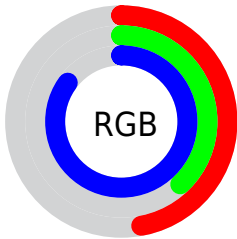
Format	Color
R _Y B	119, 98, 217
Decimal	7824089
CIE Lab	49.00, 37.65, -58.53
CIE LCh	49, 69.595, 302.750
Yxy	17.5941, 0.2228, 0.1606
Android (android.graphics.Color)	4286014169 (0xFF7762D9)
YUV	117.8450, 48.8834, 1.0129
Hunter-Lab	41.9453, 30.4761, -66.1626

Details

The CIELCh color **49, 69.595, 302.750** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **83, 60.228, 113.330**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 59.060, 303.465**, and **29, 69.791, 302.810** is the 20% darker color. If you saturate the color by 10%, you get **43, 83.172, 304.115**, and if you desaturate by 10%, it is **56, 56.005, 301.436**.

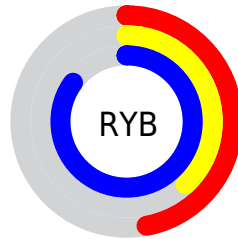
Distribution



Red (47%)

Green (38%)

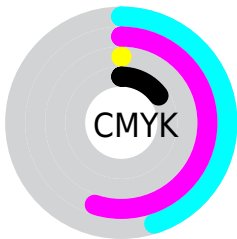
Blue (85%)



Red (47%)

Yellow (38%)

Blue (85%)

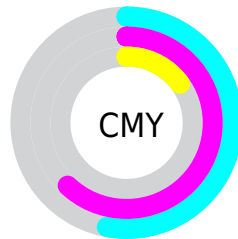


Cyan (45%)

Magenta (55%)

Yellow (0%)

Black (15%)



Cyan (53%)


Magenta (62%)

Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 69.595, 302.750 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, 69.595, 302.750 by changing the saturation by 10% instead.


 49, 69.595,
302.750


 49, 69.595,
302.750


 100, 69.595,
302.750


 39, 69.595,
302.750

 69, 69.595,
302.750


 29, 69.595,
302.750

 79, 69.595,
302.750

 19, 69.595,
302.750

 89, 69.595,
302.750

 9, 69.595, 302.750

 99, 69.595,
302.750

 0, 69.595, 302.750

 49, 69.595,

 49, 69.595,

302.750

43, 83.172,
304.115

37, 96.044,
305.403

32, 106.989,
306.409

29, 114.426,
306.893

28, 117.021,
307.007

302.750

56, 56.005,
301.436

63, 42.729,
300.234

69, 29.895,
299.167

76, 17.539,
298.235

83, 5.654, 297.429

90, 5.782, 116.736

97, 16.794,
116.140

99, 19.339,
108.714

Harmonies

Complementary

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



49, 69.595, 302.750



83, 60.228, 113.330

Rectangle

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



49, 69.595, 302.750



49, 69.595, 352.750



49, 69.595, 122.750



49, 69.595, 172.750

Sweetspot

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



49, 69.594, 302.751



87, 21.559, 298.345



74, 30.059, 218.596



45, 14.614, 298.532



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 69.594, 302.751



49, 96.621, 304.347



55, 70.880, 316.941



41, 6.554, 297.779



21, 97.855, 307.105



2, 27.803, 298.422

Inverse Universe

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



59, 65.645, 333.274



65, 86.190, 334.103



79, 67.724, 131.976



42, 6.946, 330.260



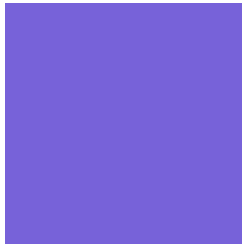
39, 74.678, 336.688



6, 28.948, 334.777

Previews

White Background



This preview shows how the CIE LCh color 49, 69.595, 302.750 looks on a white background.

Color Contrast Check

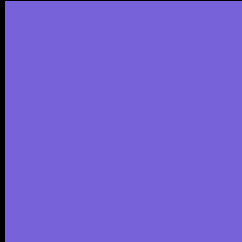
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.595, 302.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

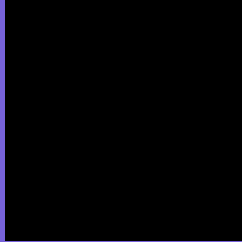
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 69.595, 302.750

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.595, 302.750.




This preview shows how white text looks on a background with the CIELCh color 49, 69.595, 302.750.

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





Tritanopia
49, 10.430, 233.112

Trichromacy



Original Color
49, 69.595, 302.750

Protanomaly
48, 69.645, 291.483

Deuteranomaly
48, 59.926, 284.605

Tritanomaly
48, 29.469, 288.851

Monochromacy



Original Color
49, 69.595, 302.750

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 25.489, 298.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.595, 302.750 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(119, 98, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 217)  
}
```

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(119, 98, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.595, 302.750 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(119, 98, 217) }
```

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

```
.border{ border-color:rgb(119, 98, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 98, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 98, 217); box-shadow:4px 4px 4px 4px rgb(119, 98, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.595, 302.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 217) }
```

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

```
.background{ background-color: rgb(119, 98,  
217) }
```

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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