

Converting Colors

CIELCh(49, 65.754, 302.684)

Have a look what the booklet for
CIELCh(49, 65.754, 302.684)
contains.

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Color

CIELCh(49, 65.672, 302.793)

Conversions

Conversions Part 1

Format	Color
Hex	7863D3
RGB	120, 99, 211
RGB Percent	47%, 39%, 83%
CMY	0.5297, 0.6121, 0.1729
CMYK	0.43, 0.53, 0.00, 0.17
HSL	251°, 56%, 61%
HSV	251°, 53%, 83%
XYZ	23.9343, 17.5941, 63.7035
YIQ	118.0470, -23.4360, 39.2840

Conversions

Conversions Part 2

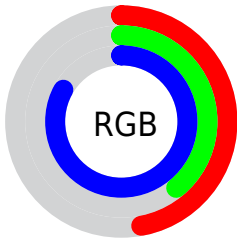
Format	Color
R _Y B	120, 99, 211
Decimal	7889875
CIE Lab	49.00, 35.57, -55.21
CIE LCh	49, 65.672, 302.793
Yxy	17.5941, 0.2274, 0.1672
Android (android.graphics.Color)	4286079955 (0xFF7863D3)
YUV	118.0470, 45.8258, 1.7128
Hunter-Lab	41.9453, 28.4491, -60.6837

Details

The CIELCh color `49, 65.672, 302.793` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `81, 57.285, 113.937`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 58.473, 303.500`, and `29, 65.593, 302.696` is the 20% darker color. If you saturate the color by 10%, you get `43, 78.960, 304.109`, and if you desaturate by 10%, it is `56, 52.437, 301.537`.

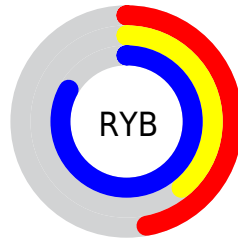
Distribution



Red (47%)

Green (39%)

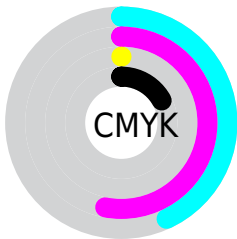
Blue (83%)



Red (47%)

Yellow (39%)

Blue (83%)

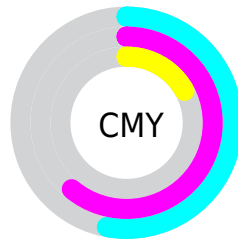


Cyan (43%)

Magenta (53%)

Yellow (0%)

Black (17%)



Cyan (53%)


Magenta (61%)

Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 65.672, 302.793 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, 65.672, 302.793 by changing the saturation by 10% instead.


 49, 65.672,
302.793


 49, 65.672,
302.793


 100, 65.672,
302.793


 39, 65.672,
302.793

 69, 65.672,
302.793


 29, 65.672,
302.793

 79, 65.672,
302.793

 19, 65.672,
302.793

 89, 65.672,
302.793

 9, 65.672, 302.793

 99, 65.672,
302.793

 0, 65.672, 302.793

 49, 65.672,

 49, 65.672,

302.793

43, 78.960,
304.109

37, 91.710,
305.374

32, 102.845,
306.402

29, 110.872,
306.959

27, 114.488,
307.100

302.793

56, 52.437,
301.537

62, 39.532,
300.392

69, 27.061,
299.377

76, 15.053,
298.491

82, 3.500, 297.723

89, 7.621, 117.065

96, 18.335,
116.497

99, 22.271,
108.490

Harmonies

Complementary

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



49, 65.672, 302.793



81, 57.285, 113.937

Rectangle

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



49, 65.672, 302.793



49, 65.672, 352.793



49, 65.672, 122.793



49, 65.672, 172.793

Sweetspot

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



49, 65.671, 302.794



87, 21.578, 298.750



72, 28.544, 220.841



45, 14.626, 298.932



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, 65.671, 302.794



51, 93.537, 304.319



55, 67.293, 317.398



40, 6.431, 298.194



21, 96.636, 307.200



2, 25.760, 297.949

Inverse Universe

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



58, 61.970, 333.584



65, 83.714, 334.428



78, 64.592, 132.551



41, 6.756, 330.643



38, 73.249, 337.325



5, 26.919, 335.064

Previews

White Background



This preview shows how the CIE LCh color 49, 65.672, 302.793 looks on a white background.

Color Contrast Check

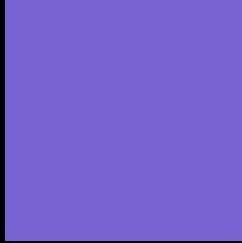
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.672, 302.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

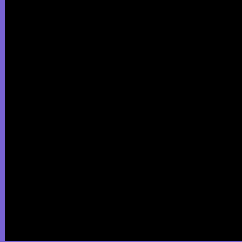
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 65.672, 302.793

Background



This preview shows how black text looks on a background with the CIELCh color 49, 65.672, 302.793.



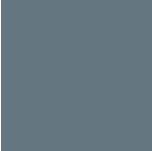
This preview shows how white text looks on a background with the CIELCh color 49, 65.672, 302.793.

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, 9.328, 238.046

Trichromacy



Original Color
49, 65.672, 302.793

Protanomaly
49, 65.523, 291.551

Deuteranomaly
48, 57.229, 286.644

Tritanomaly
49, 27.675, 290.268

Monochromacy



Original Color
49, 65.672, 302.793

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 24.367, 299.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 65.672, 302.793 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(120, 99, 211)` looks like.

```
.text, #text, p{  
    color:rgb(120, 99, 211)  
}
```

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(120, 99, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 99, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 65.672, 302.793 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(120, 99, 211) }
```

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

```
.border{ border-color:rgb(120, 99, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 99, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 99, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 99, 211);  
box-shadow:4px 4px 4px 4px rgb(120, 99,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 65.672, 302.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 99, 211) }
```

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

```
.background{ background-color: rgb(120, 99,  
211) }
```

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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