

Converting Colors

CIELCh(49, 71.561, 298.867)

Have a look what the booklet for
CIELCh(49, 71.561, 298.867)
contains.

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Color

CIELCh(49, 71.686, 298.910)

Conversions

Conversions Part 1

Format	Color
Hex	6765E0
RGB	103, 101, 224
RGB Percent	40%, 40%, 88%
CMY	0.5957, 0.6037, 0.1213
CMYK	0.54, 0.55, 0.00, 0.12
HSL	241°, 67%, 64%
HSV	241°, 55%, 88%
XYZ	23.7273, 17.5941, 72.7201
YIQ	115.6200, -38.2910, 38.6770

Conversions

Conversions Part 2

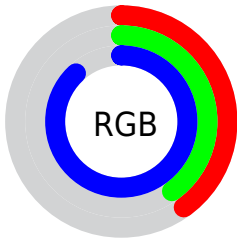
Format	Color
R _Y B	103, 101, 224
Decimal	6776288
CIE Lab	49.00, 34.66, -62.75
CIE LCh	49, 71.686, 298.910
Yxy	17.5941, 0.2081, 0.1543
Android (android.graphics.Color)	4284966368 (0xFF6765E0)
YUV	115.6200, 53.4313, -11.0677
Hunter-Lab	41.9453, 27.5683, -73.4288

Details

The CIELCh color `49, 71.686, 298.910` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `87, 61.180, 105.807`, and the grayscale version is `49, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 56.951, 298.536`, and `29, 71.881, 298.932` is the 20% darker color. If you saturate the color by 10%, you get `42, 86.074, 301.032`, and if you desaturate by 10%, it is `56, 57.468, 296.938`.

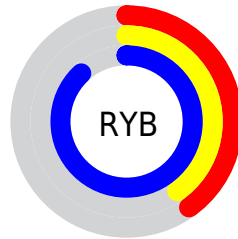
Distribution



Red (40%)

Green (40%)

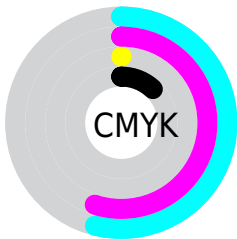
Blue (88%)



Red (40%)

Yellow (40%)

Blue (88%)

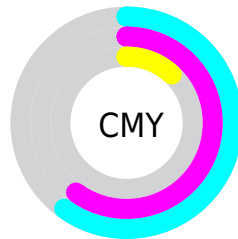


Cyan (54%)

Magenta (55%)

Yellow (0%)

Black (12%)



Cyan (60%)


Magenta (60%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.686, 298.910 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, 71.686, 298.910 by changing the saturation by 10% instead.


 49, 71.686,
298.910


 49, 71.686,
298.910


 100, 71.686,
298.910


 39, 71.686,
298.910

 69, 71.686,
298.910


 29, 71.686,
298.910

 79, 71.686,
298.910

 19, 71.686,
298.910

 89, 71.686,
298.910

 9, 71.686, 298.910

 99, 71.686,
298.910

 0, 71.686, 298.910

 49, 71.686,

 49, 71.686,

298.910

■ 42, 86.074,
301.032

■ 36, 99.849,
303.121

■ 32, 111.476,
304.878

■ 29, 118.946,
305.973

■ 28, 121.286,
306.325

298.910

■ 56, 57.468,
296.938

■ 63, 43.725,
295.189

■ 71, 30.536,
293.680

■ 78, 17.896,
292.393

■ 86, 5.771, 291.308

■ 93, 5.876, 110.359

■ 99, 15.644,
108.995

Harmonies

Complementary

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



49, 71.686, 298.910



87, 61.180, 105.807

Rectangle

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



49, 71.686, 298.910



49, 71.686, 348.910



49, 71.686, 118.910



49, 71.686, 168.910

Sweetspot

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



49, 71.686, 298.911



87, 21.399, 292.539



83, 35.601, 197.016



45, 14.509, 292.794



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, 71.686, 298.911



47, 97.381, 301.370



54, 72.003, 311.862



43, 6.756, 291.777



21, 101.219, 306.339



2, 31.657, 296.228

Inverse Universe

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



62, 75.046, 327.743



66, 95.985, 328.191



83, 66.303, 126.576



44, 8.064, 325.381



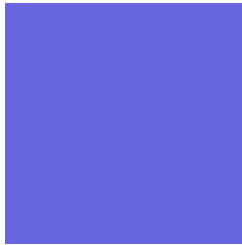
42, 86.378, 328.892



8, 35.536, 328.778

Previews

White Background



This preview shows how the CIELCh color 49, 71.686, 298.910 looks on a white background.

Color Contrast Check

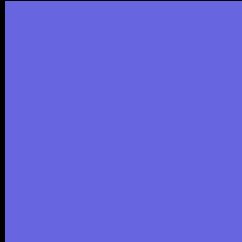
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.686, 298.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

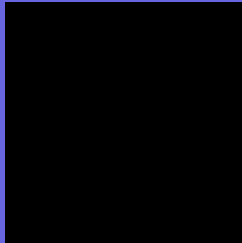
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.686, 298.910

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.686, 298.910.



This preview shows how white text looks on a background with the CIELCh color 49, 71.686, 298.910.

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, 18.159, 216.786

Trichromacy



Original Color
49, 71.686, 298.910

Protanomaly
49, 72.586, 290.407

Deuteranomaly
48, 60.532, 284.041

Tritanomaly
48, 31.093, 275.358

Monochromacy



Original Color
49, 71.686, 298.910

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 25.940, 293.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.686, 298.910 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(103, 101, 224)` looks like.

```
.text, #text, p{  
    color:rgb(103, 101, 224)  
}
```

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(103, 101, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 101, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.686, 298.910 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(103, 101, 224) }
```

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

```
.border{ border-color:rgb(103, 101, 224) }
```

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

Here you see how a box with a 4 pixel rgb(103, 101, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 101, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 101, 224);  
box-shadow:4px 4px 4px 4px rgb(103, 101,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.686, 298.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 101, 224) }
```

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

```
.background{ background-color: rgb(103,  
101, 224) }
```

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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