

Converting Colors

CIELCh(49, 52.699, 294.506)

Have a look what the booklet for
CIELCh(49, 52.699, 294.506)
contains.

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Color

CIELCh(49, 52.699, 294.506)

Conversions

Conversions Part 1

Format	Color
Hex	656CC6
RGB	101, 108, 198
RGB Percent	40%, 42%, 78%
CMY	0.6036, 0.5762, 0.2232
CMYK	0.49, 0.45, 0.00, 0.22
HSL	236°, 46%, 59%
HSV	236°, 49%, 78%
XYZ	20.9500, 17.5941, 55.7698
YIQ	116.1670, -33.0620, 26.5060

Conversions

Conversions Part 2

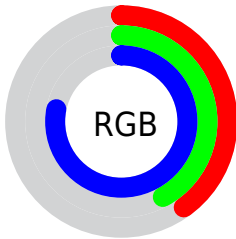
Format	Color
RYB	101, 108, 198
Decimal	6646982
CIELab	49.00, 21.86, -47.95
CIELCh	49, 52.699, 294.506
Yxy	17.5941, 0.2221, 0.1865
Android (android.graphics.Color)	4284837062 (0xFF656CC6)
YUV	116.1670, 40.3437, -13.3015
Hunter-Lab	41.9453, 15.7495, -49.4693

Details

The CIELCh color $49, 52.699, 294.506$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $76, 46.939, 102.088$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 52.726, 294.588$, and $29, 52.361, 294.298$ is the 20% darker color. If you saturate the color by 10%, you get $43, 64.716, 296.750$, and if you desaturate by 10%, it is $55, 41.093, 292.521$.

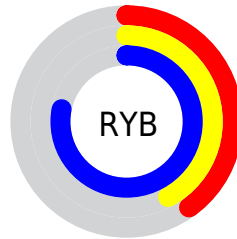
Distribution



Red (40%)

Green (42%)

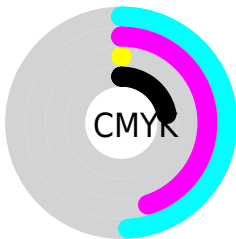
Blue (78%)



Red (40%)

Yellow (42%)

Blue (78%)

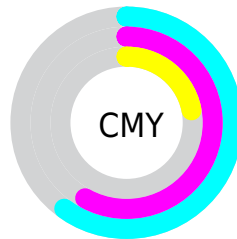


Cyan (49%)

Magenta (45%)

Yellow (0%)

Black (22%)



Cyan (60%)


Magenta (58%)

Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 52.699, 294.506 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, 52.699, 294.506 by changing the saturation by 10% instead.


 49, 52.699,
294.506


 49, 52.699,
294.506


 100, 52.699,
294.506


 39, 52.699,
294.506

 69, 52.699,
294.506


 29, 52.699,
294.506

 79, 52.699,
294.506

 19, 52.699,
294.506

 89, 52.699,
294.506

 9, 52.699, 294.506

 99, 52.699,
294.506

 0, 52.699, 294.506

 49, 52.699,

 49, 52.699,

294.506

■ 43, 64.716,
296.750

■ 37, 76.948,
299.178

■ 32, 88.850,
301.620

■ 28, 99.317,
303.796

■ 25, 106.834,
305.360

■ 25, 107.404,
305.466

294.506

■ 55, 41.093,
292.521

■ 62, 29.943,
290.804

■ 68, 19.232,
289.338

■ 74, 8.928, 288.093

■ 81, 1.000, 106.925

■ 87, 10.581,
106.099

■ 93, 19.838,
105.322

■ 99, 28.689,
107.998

Harmonies

Complementary

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



49, 52.699, 294.506



76, 46.939, 102.088

Rectangle

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



49, 52.699, 294.506



49, 52.699, 344.506



49, 52.699, 114.506



49, 52.699, 164.506

Sweetspot

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



49, 52.698, 294.507



88, 18.541, 288.848



74, 30.901, 188.879



45, 12.700, 289.124



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, 52.698, 294.507



55, 79.623, 296.967



51, 57.691, 308.984



39, 5.669, 288.141



20, 92.400, 305.278



2, 20.418, 289.868

Inverse Universe

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



54, 41.642, 19.624



64, 62.769, 22.303



75, 52.862, 123.728



39, 4.291, 14.098



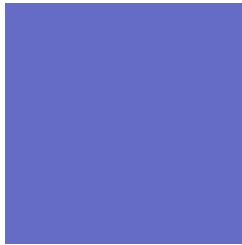
34, 71.814, 36.781



3, 15.932, 15.673

Previews

White Background



This preview shows how the CIELCh color 49, 52.699, 294.506 looks on a white background.

Color Contrast Check

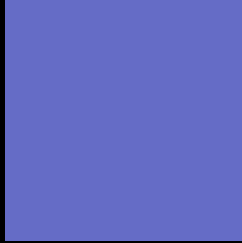
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.699, 294.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

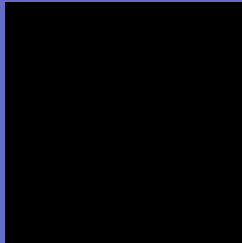
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 52.699, 294.506

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.699, 294.506.




This preview shows how white text looks on a background with the CIELCh color 49, 52.699, 294.506.

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, 15.510, 220.454

Trichromacy



Original Color
49, 52.699, 294.506

Protanomaly
49, 52.841, 289.109

Deuteranomaly
49, 49.062, 284.565

Tritanomaly
49, 24.414, 269.841

Monochromacy



Original Color
49, 52.699, 294.506

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 19.432, 290.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.699, 294.506 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(101, 108, 198)` looks like.

```
.text, #text, p{  
    color:rgb(101, 108, 198)  
}
```

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(101, 108, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 108, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.699, 294.506 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(101, 108, 198) }
```

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

```
.border{ border-color:rgb(101, 108, 198) }
```

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

Here you see how a box with a 4 pixel rgb(101, 108, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 108, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 108, 198);  
box-shadow:4px 4px 4px 4px rgb(101, 108,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.699, 294.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 108, 198) }
```

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

```
.background{ background-color: rgb(101,  
108, 198) }
```

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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