

Converting Colors

CIELCh(49, 72.177, 297.441)

Have a look what the booklet for
CIELCh(49, 72.177, 297.441)
contains.

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Color

CIELCh(49, 72.258, 297.505)

Conversions

Conversions Part 1

Format	Color
Hex	6066E2
RGB	96, 102, 226
RGB Percent	38%, 40%, 89%
CMY	0.6218, 0.5987, 0.1121
CMYK	0.57, 0.55, 0.00, 0.11
HSL	237°, 69%, 63%
HSV	237°, 57%, 89%
XYZ	23.4380, 17.5941, 74.4029
YIQ	114.3420, -43.3800, 37.2920

Conversions

Conversions Part 2

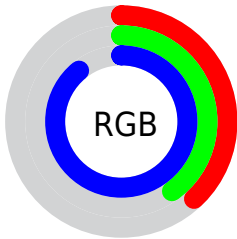
Format	Color
R _Y B	96, 102, 226
Decimal	6317794
CIE Lab	49.00, 33.37, -64.09
CIE LCh	49, 72.258, 297.505
Yxy	17.5941, 0.2030, 0.1524
Android (android.graphics.Color)	4284507874 (0xFF6066E2)
YUV	114.3420, 55.0474, -16.0859
Hunter-Lab	41.9453, 26.3371, -75.8074

Details

The CIELCh color $49, 72.258, 297.505$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $86, 61.769, 102.605$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 56.309, 296.479$, and $29, 72.646, 297.660$ is the 20% darker color. If you saturate the color by 10%, you get $42, 86.235, 299.866$, and if you desaturate by 10%, it is $56, 58.491, 295.319$.

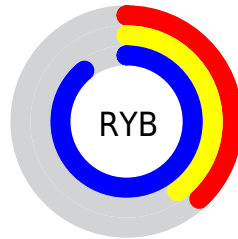
Distribution



Red (38%)

Green (40%)

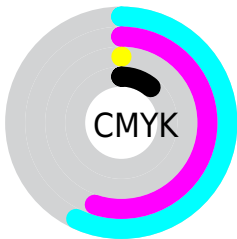
Blue (89%)



Red (38%)

Yellow (40%)

Blue (89%)

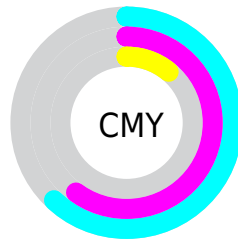


Cyan (57%)

Magenta (55%)

Yellow (0%)

Black (11%)



Cyan (62%)

Magenta (60%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 72.258, 297.505 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, 72.258, 297.505 by changing the saturation by 10% instead.

 49, 72.258,
297.505

 49, 72.258,
297.505

 100, 72.258,
297.505

 39, 72.258,
297.505

 69, 72.258,
297.505

 29, 72.258,
297.505

 79, 72.258,
297.505

 19, 72.258,
297.505

 89, 72.258,
297.505

 9, 72.258, 297.505

 99, 72.258,
297.505

 0, 72.258, 297.505

 49, 72.258,

 49, 72.258,

297.505

■ 42, 86.235,
299.866

■ 37, 99.721,
302.217

■ 32, 111.319,
304.259

■ 29, 119.157,
305.655

■ 29, 120.439,
305.864

297.505

■ 56, 58.491,
295.319

■ 63, 45.197,
293.385

■ 70, 32.435,
291.716

■ 78, 20.191,
290.293

■ 85, 8.429, 289.090

■ 92, 2.888, 108.021

■ 99, 13.794,
107.171

■ 99, 14.469,
109.084

Harmonies

Complementary

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



49, 72.258, 297.505



86, 61.769, 102.605

Rectangle

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



49, 72.258, 297.505



49, 72.258, 347.505



49, 72.258, 117.505



49, 72.258, 167.505

Sweetspot

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



49, 72.258, 297.506



87, 21.709, 290.255



83, 37.842, 191.599



44, 14.578, 290.523



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, 72.258, 297.506



47, 97.455, 300.357



53, 75.771, 310.517



43, 6.442, 289.318



21, 99.199, 305.709



2, 30.634, 294.906

Inverse Universe

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



58, 55.788, 23.690



59, 74.926, 27.356



84, 68.649, 124.680



44, 4.731, 16.258



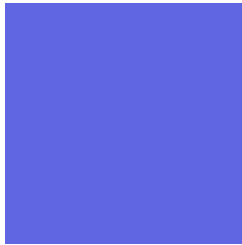
36, 77.175, 38.093



6, 25.437, 19.031

Previews

White Background



This preview shows how the CIELCh color 49, 72.258, 297.505 looks on a white background.

Color Contrast Check

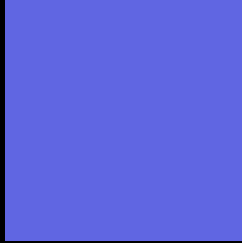
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 72.258, 297.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

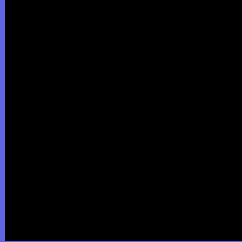
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 72.258, 297.505

Background



This preview shows how black text looks on a background with the CIELCh color 49, 72.258, 297.505.

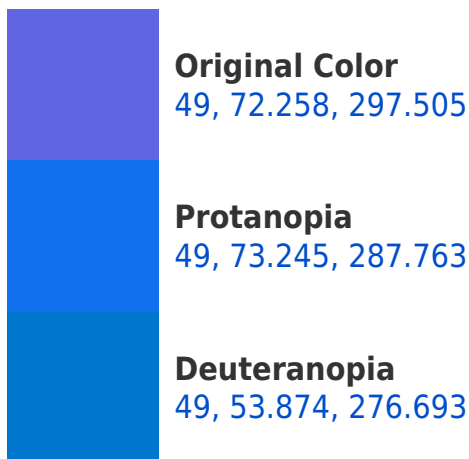


This preview shows how white text looks on a background with the CIELCh color 49, 72.258, 297.505.

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, 21.481, 213.424

Trichromacy



Original Color
49, 72.258, 297.505

Protanomaly
48, 73.225, 290.063

Deuteranomaly
48, 60.566, 283.872

Tritanomaly
48, 32.398, 271.098

Monochromacy



Original Color
49, 72.258, 297.505

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 27.149, 292.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 72.258, 297.505 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(96, 102, 226)` looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 226)  
}
```

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(96, 102, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 72.258, 297.505 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(96, 102, 226) }
```

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

```
.border{ border-color:rgb(96, 102, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 102, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 226);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 72.258, 297.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 226) }
```

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

```
.background{ background-color: rgb(96, 102,  
226) }
```

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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