

Converting Colors

CIELCh(49, 70.423, 305.766)

Have a look what the booklet for
CIELCh(49, 70.423, 305.766)
contains.

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Color

CIELCh(49, 70.472, 305.942)

Conversions

Conversions Part 1

Format	Color
Hex	815ED6
RGB	129, 94, 214
RGB Percent	51%, 37%, 84%
CMY	0.4932, 0.6306, 0.1599
CMYK	0.40, 0.56, 0.00, 0.16
HSL	258°, 60%, 60%
HSV	258°, 56%, 84%
XYZ	25.2768, 17.5941, 65.8393
YIQ	118.1450, -17.6600, 44.7400

Conversions

Conversions Part 2

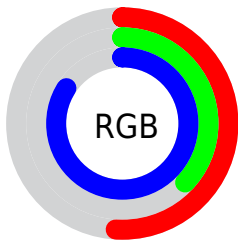
Format	Color
R _{YB}	129, 94, 214
Decimal	8478422
CIE Lab	49.00, 41.36, -57.05
CIE LCh	49, 70.472, 305.942
Yxy	17.5941, 0.2325, 0.1618
Android (android.graphics.Color)	4286668502 (0xFF815ED6)
YUV	118.1450, 47.2565, 9.5198
Hunter-Lab	41.9453, 34.1622, -63.7027

Details

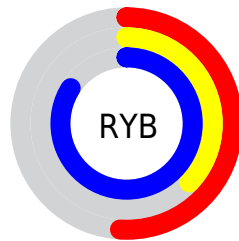
The CIELCh color **49, 70.472, 305.942** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **81, 61.925, 118.390**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 61.268, 307.057**, and **29, 70.143, 305.848** is the 20% darker color. If you saturate the color by 10%, you get **43, 83.468, 306.875**, and if you desaturate by 10%, it is **55, 57.226, 304.990**.

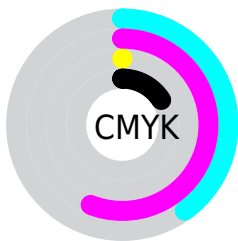
Distribution



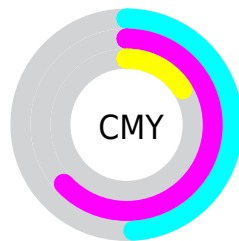
- Red (51%)
- Green (37%)
- Blue (84%)



- Red (51%)
- Yellow (37%)
- Blue (84%)



- Cyan (40%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)





- Cyan (49%)
- Magenta (63%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.472, 305.942 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, 70.472, 305.942 by changing the saturation by 10% instead.


 49, 70.472,
305.942


 49, 70.472,
305.942


 100, 70.472,
305.942


 39, 70.472,
305.942

 69, 70.472,
305.942


 29, 70.472,
305.942

 79, 70.472,
305.942

 19, 70.472,
305.942

 89, 70.472,
305.942

 9, 70.472, 305.942

 99, 70.472,
305.942

 0, 70.472, 305.942

 49, 70.472,

 49, 70.472,

305.942

43, 83.468,
306.875

38, 95.506,
307.673

33, 105.480,
308.170

30, 112.135,
308.185

29, 114.151,
308.135

305.942

55, 57.226,
304.990

62, 44.119,
304.081

68, 31.337,
303.248


75, 18.959,
302.503

82, 7.008, 301.842

88, 4.520, 121.286

95, 15.642,
120.782

99, 20.681,
113.117

 99, 20.601,
108.618

Harmonies

Complementary

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



49, 70.472, 305.942



81, 61.925, 118.390

Rectangle

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



49, 70.472, 305.942



49, 70.472, 355.942



49, 70.472, 125.942



49, 70.472, 175.942

Sweetspot

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



49, 70.471, 305.942



87, 23.210, 302.583



69, 29.916, 236.877



45, 15.580, 302.730



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, 70.471, 305.942



50, 97.546, 307.018



56, 72.369, 320.589



42, 6.636, 302.058



22, 96.259, 308.273



2, 28.049, 301.357

Inverse Universe

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



58, 61.307, 338.388



63, 80.734, 339.617



78, 70.741, 135.078



42, 6.397, 334.563



38, 68.812, 344.165



6, 26.617, 340.629

Previews

White Background



This preview shows how the CIE LCh color 49, 70.472, 305.942 looks on a white background.

Color Contrast Check

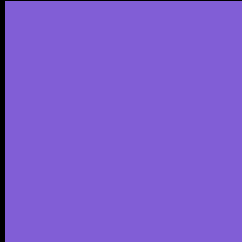
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.472, 305.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

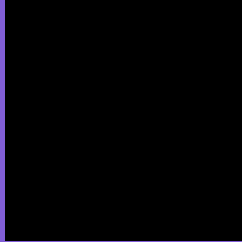
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 70.472, 305.942

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.472, 305.942.



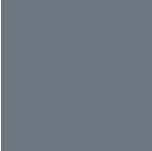
This preview shows how white text looks on a background with the CIELCh color 49, 70.472, 305.942.

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, 6.562, 263.100

Trichromacy



Original Color
49, 70.472, 305.942

Protanomaly
48, 70.233, 292.083

Deuteranomaly
48, 60.220, 287.407

Tritanomaly
48, 29.637, 298.575

Monochromacy



Original Color
49, 70.472, 305.942

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 26.426, 303.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.472, 305.942 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(129, 94, 214)` looks like.

```
.text, #text, p{  
    color:rgb(129, 94, 214)  
}
```

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(129, 94, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 94, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.472, 305.942 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(129, 94, 214) }
```

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

```
.border{ border-color:rgb(129, 94, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 94, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 94, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 94, 214);  
box-shadow:4px 4px 4px 4px rgb(129, 94,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.472, 305.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 94, 214) }
```

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

```
.background{ background-color: rgb(129, 94,  
214) }
```

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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