

Converting Colors

CIELCh(49, 67.491, 306.036)

Have a look what the booklet for
CIELCh(49, 67.491, 306.036)
contains.

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Color

CIELCh(49, 67.700, 306.163)

Conversions

Conversions Part 1

Format	Color
Hex	825FD2
RGB	130, 95, 210
RGB Percent	51%, 37%, 82%
CMY	0.4900, 0.6273, 0.1763
CMYK	0.38, 0.55, 0.00, 0.18
HSL	258°, 56%, 60%
HSV	258°, 55%, 82%
XYZ	24.9443, 17.5941, 63.0783
YIQ	118.5750, -16.0550, 43.1850

Conversions

Conversions Part 2

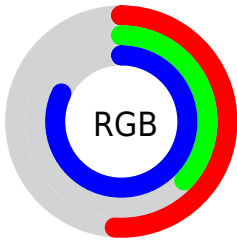
Format	Color
R_{YB}	130, 95, 210
Decimal	8544210
CIE _{Lab}	49.00, 39.95, -54.66
CIE _{LCh}	49, 67.700, 306.163
Yxy	17.5941, 0.2362, 0.1666
Android (android.graphics.Color)	4286734290 (0xFF825FD2)
YUV	118.5750, 45.0725, 10.0197
Hunter-Lab	41.9453, 32.7474, -59.8000

Details

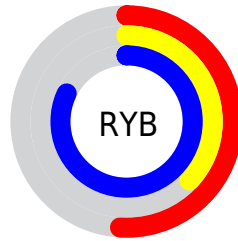
The CIELCh color **49, 67.700, 306.163** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **80, 59.861, 118.975**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 60.692, 307.133**, and **29, 67.811, 306.102** is the 20% darker color. If you saturate the color by 10%, you get **43, 80.508, 307.063**, and if you desaturate by 10%, it is **55, 54.691, 305.249**.

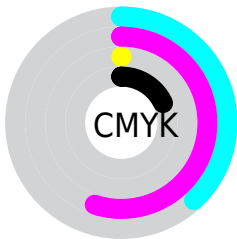
Distribution



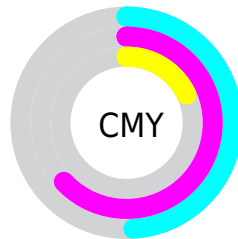
- Red (51%)
- Green (37%)
- Blue (82%)



- Red (51%)
- Yellow (37%)
- Blue (82%)



- Cyan (38%)
- Magenta (55%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (63%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 67.700, 306.163 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, 67.700, 306.163 by changing the saturation by 10% instead.


 49, 67.700,
306.163


 49, 67.700,
306.163


 100, 67.700,
306.163

 39, 67.700,
306.163

 69, 67.700,
306.163

 29, 67.700,
306.163

 79, 67.700,
306.163

 19, 67.700,
306.163

 89, 67.700,
306.163

 9, 67.700, 306.163

 99, 67.700,
306.163

 0, 67.700, 306.163

 49, 67.700,

 49, 67.700,

306.163

43, 80.508,
307.063

38, 92.472,
307.843

33, 102.567,
308.347

30, 109.568,
308.394

29, 112.213,
308.306

306.163

55, 54.691,
305.249

62, 41.835,
304.378

68, 29.301,
303.580

75, 17.162,
302.865

81, 5.438, 302.228

88, 5.874, 121.696

94, 16.791,
121.213

98, 22.938,
115.949

■ 99, 22.710,
108.457

Harmonies

Complementary

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



49, 67.700, 306.163



80, 59.861, 118.975

Rectangle

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



49, 67.700, 306.163



49, 67.700, 356.163



49, 67.700, 126.163



49, 67.700, 176.163

Sweetspot

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



49, 67.699, 306.163



88, 21.839, 302.962



68, 29.124, 239.147



45, 14.798, 303.106



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, 67.699, 306.163



51, 96.047, 307.231



55, 69.895, 321.070



41, 6.516, 302.516



22, 94.978, 308.447



2, 25.985, 300.954

Inverse Universe

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



57, 58.708, 338.858



64, 79.281, 340.155



77, 68.531, 135.577



41, 6.215, 335.074



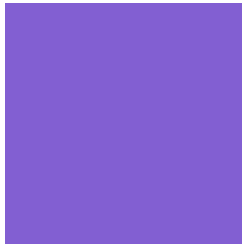
37, 67.523, 345.055



5, 24.621, 341.189

Previews

White Background



This preview shows how the CIELCh color 49, 67.700, 306.163 looks on a white background.

Color Contrast Check

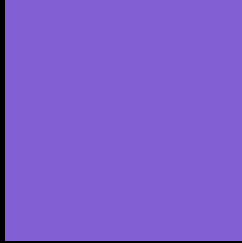
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.700, 306.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

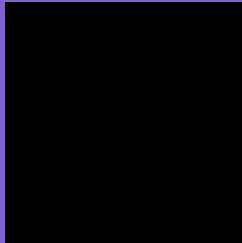
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 67.700, 306.163

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.700, 306.163.



This preview shows how white text looks on a background with the CIELCh color 49, 67.700, 306.163.

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



Original Color

49, 67.700, 306.163

Protanopia

49, 67.423, 287.323

Deuteranopia

49, 52.243, 278.431



Tritanopia
49, 5.725, 267.003

Trichromacy



Original Color
49, 67.700, 306.163

Protanomaly
48, 67.309, 292.561

Deuteranomaly
48, 57.107, 288.141

Tritanomaly
49, 28.541, 300.058

Monochromacy



Original Color
49, 67.700, 306.163

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 25.243, 303.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.700, 306.163 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(130, 95, 210)` looks like.

```
.text, #text, p{  
    color:rgb(130, 95, 210)  
}
```

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(130, 95, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 95, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.700, 306.163 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(130, 95, 210) }
```

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

```
.border{ border-color:rgb(130, 95, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 95, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 95, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 95, 210);  
box-shadow:4px 4px 4px 4px rgb(130, 95,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.700, 306.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 95, 210) }
```

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

```
.background{ background-color: rgb(130, 95,  
210) }
```

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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