

Converting Colors

CIELCh(49, 77.565, 311.688)

Have a look what the booklet for
CIELCh(49, 77.565, 311.688)
contains.

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Color

CIELCh(49, 77.622, 311.699)

Conversions

Conversions Part 1

Format	Color
Hex	9454D8
RGB	148, 84, 216
RGB Percent	58%, 33%, 85%
CMY	0.4196, 0.6706, 0.1529
CMYK	0.31, 0.61, 0.00, 0.15
HSL	269°, 63%, 59%
HSV	269°, 61%, 85%
XYZ	27.7772, 17.5941, 66.8978
YIQ	118.1840, -4.2280, 54.6200

Conversions

Conversions Part 2

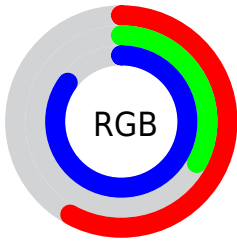
Format	Color
R_{YB}	148, 84, 216
Decimal	9721048
CIE _{Lab}	49.00, 51.64, -57.96
CIE _{LCh}	49, 77.622, 311.699
Yxy	17.5941, 0.2474, 0.1567
Android (android.graphics.Color)	4287911128 (0xFF9454D8)
YUV	118.1840, 48.2233, 26.1486
Hunter-Lab	41.9453, 44.8029, -65.1989

Details

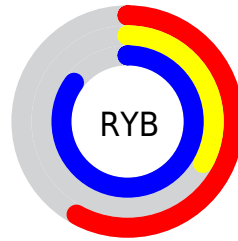
The CIELCh color $49, 77.622, 311.699$ is a light color, and the websafe version is hex $9966FF$. The color can be described as light muted purple. A complement of this color would be $80, 70.481, 125.867$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 67.862, 314.089$, and $29, 77.484, 311.774$ is the 20% darker color. If you saturate the color by 10%, you get $44, 89.308, 312.060$, and if you desaturate by 10%, it is $55, 64.981, 311.205$.

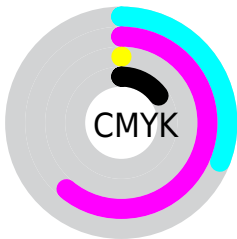
Distribution



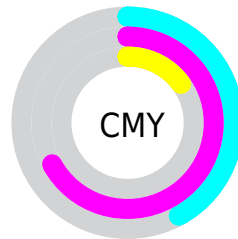
- Red (58%)
- Green (33%)
- Blue (85%)



- Red (58%)
- Yellow (33%)
- Blue (85%)



- Cyan (31%)
- Magenta (61%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.622, 311.699 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, 77.622, 311.699 by changing the saturation by 10% instead.

 49, 77.622,
311.699

 49, 77.622,
311.699

 100, 77.622,
311.699


 39, 77.622,
311.699

 69, 77.622,
311.699

 29, 77.622,
311.699

 79, 77.622,
311.699

 19, 77.622,
311.699

 89, 77.622,
311.699

 9, 77.622, 311.699

 99, 77.622,
311.699

 0, 77.622, 311.699

 49, 77.622,

 49, 77.622,

311.699

311.699

44, 89.308,
312.060

55, 64.981,
311.205

39, 99.233,
312.183

61, 51.963,
310.652

36, 106.478,
311.948

67, 38.927,
310.090

34, 110.575,
311.442

73, 26.080,
309.547

79, 13.534,
309.038

86, 1.341, 308.497

92, 10.479,
128.184

98, 20.871,
126.984

■ 99, 19.902,
115.959

Harmonies

Complementary

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



49, 77.622, 311.699



80, 70.481, 125.867

Rectangle

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



49, 77.622, 311.699



49, 77.622, 1.699



49, 77.622, 131.699



49, 77.622, 181.699

Sweetspot

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



49, 77.621, 311.699



87, 25.340, 309.393



61, 39.088, 266.492



44, 17.680, 309.546



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, 77.621, 311.699



50, 104.360, 312.119



58, 80.169, 326.967



42, 6.850, 308.955



26, 92.676, 311.623



3, 28.877, 307.813

Inverse Universe

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



55, 59.253, 349.910



60, 76.720, 352.516



77, 80.950, 138.814



42, 5.586, 343.575



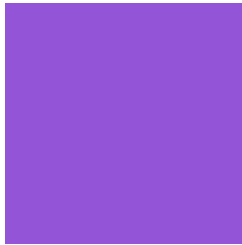
37, 62.987, 0.306



5, 23.687, 353.240

Previews

White Background



This preview shows how the CIELCh color 49, 77.622, 311.699 looks on a white background.

Color Contrast Check

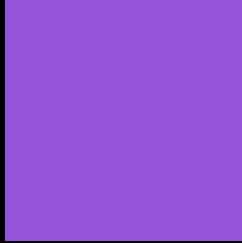
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.622, 311.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

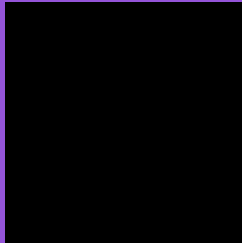
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.622, 311.699

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.622, 311.699.




This preview shows how white text looks on a background with the CIELCh color 49, 77.622, 311.699.

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, 9.366, 346.294

Trichromacy



Original Color
49, 77.622, 311.699



Protanomaly
47, 75.742, 292.551



Deuteranomaly
47, 62.450, 290.065



Tritanomaly
48, 34.378, 316.134

Monochromacy



Original Color
49, 77.622, 311.699



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 29.559, 309.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.622, 311.699 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(148, 84, 216)` looks like.

```
.text, #text, p{  
    color:rgb(148, 84, 216)  
}
```

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(148, 84, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 84, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.622, 311.699 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(148, 84, 216) }
```

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

```
.border{ border-color:rgb(148, 84, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 84, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 84, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 84, 216);  
box-shadow:4px 4px 4px 4px rgb(148, 84,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.622, 311.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 84, 216) }
```

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

```
.background{ background-color: rgb(148, 84,  
216) }
```

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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