

Converting Colors

CIELCh(49, 84.714, 317.723)

Have a look what the booklet for
CIELCh(49, 84.714, 317.723)
contains.

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Color

CIELCh(49, 84.698, 317.706)

Conversions

Conversions Part 1

Format	Color
Hex	A946D7
RGB	169, 70, 215
RGB Percent	66%, 27%, 84%
CMY	0.3390, 0.7272, 0.1586
CMYK	0.21, 0.68, 0.00, 0.16
HSL	281°, 64%, 56%
HSV	281°, 68%, 84%
XYZ	30.6366, 17.5941, 65.7708
YIQ	116.1310, 12.4590, 66.0830

Conversions

Conversions Part 2

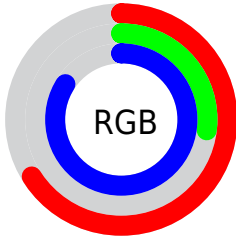
Format	Color
RYB	169, 70, 215
Decimal	11093719
CIELab	49.00, 62.65, -57.00
CIELCh	49, 84.698, 317.706
Yxy	17.5941, 0.2687, 0.1543
Android (android.graphics.Color)	4289283799 (0xFFA946D7)
YUV	116.1310, 48.7424, 46.3661
Hunter-Lab	41.9453, 56.9712, -63.6058

Details

The CIELCh color $49, 84.698, 317.706$ is a light color, and the websafe version is hex $9933CC$. The color can be described as light muted purple. A complement of this color would be $78, 80.738, 131.955$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 76.480, 320.735$, and $29, 84.005, 317.610$ is the 20% darker color. If you saturate the color by 10%, you get $45, 93.972, 317.708$, and if you desaturate by 10%, it is $54, 73.605, 317.512$.

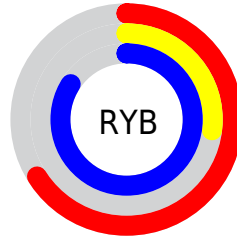
Distribution



Red (66%)

Green (27%)

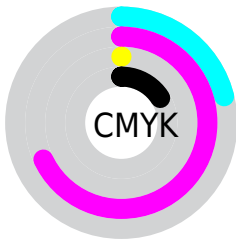
Blue (84%)



Red (66%)

Yellow (27%)

Blue (84%)

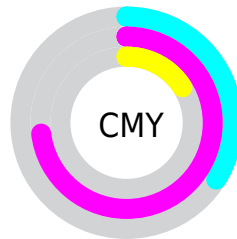


Cyan (21%)

Magenta (68%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (73%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 84.698, 317.706 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, 84.698, 317.706 by changing the saturation by 10% instead.

 49, 84.698,
317.706

 49, 84.698,
317.706

 100, 84.698,
317.706

 39, 84.698,
317.706

 69, 84.698,
317.706

 29, 84.698,
317.706

 79, 84.698,
317.706

 19, 84.698,
317.706

 89, 84.698,
317.706

 9, 84.698, 317.706

 99, 84.698,
317.706

 0, 84.698, 317.706

 49, 84.698,

 49, 84.698,

317.706

■ 45, 93.972,
317.708

■ 42, 100.761,
317.447

■ 40, 104.743,
316.880

■ 40, 105.519,
316.727

317.706

■ 54, 73.605,
317.512

■ 59, 61.366,
317.191

■ 64, 48.517,
316.795


■ 70, 35.447,
316.363

■ 75, 22.409,
315.920

■ 81, 9.561, 315.479

■ 87, 3.006, 135.150

■ 93, 15.243,
134.718

 97, 22.541,
132.545

Harmonies

Complementary

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



49, 84.698, 317.706



78, 80.738, 131.955

Rectangle

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



49, 84.698, 317.706



49, 84.698, 7.706



49, 84.698, 137.706



49, 84.698, 187.706

Sweetspot

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



49, 84.697, 317.706



86, 29.403, 316.036



51, 56.616, 285.495



44, 20.109, 316.162



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, 84.697, 317.706



52, 110.700, 317.634



54, 76.869, 333.763



42, 7.165, 315.560



31, 88.960, 316.880



4, 30.494, 316.023

Inverse Universe

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



52, 60.194, 5.830



57, 78.759, 11.003



76, 78.910, 142.579



42, 4.951, 355.606



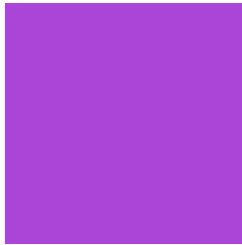
36, 64.336, 19.174



5, 22.336, 5.339

Previews

White Background



This preview shows how the CIELCh color 49, 84.698, 317.706 looks on a white background.

Color Contrast Check

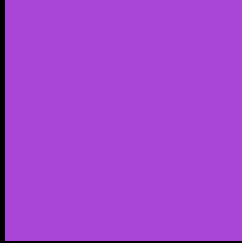
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.698, 317.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

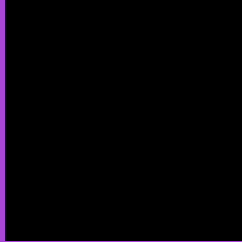
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 84.698, 317.706

Background



This preview shows how black text looks on a background with the CIELCh color 49, 84.698, 317.706.

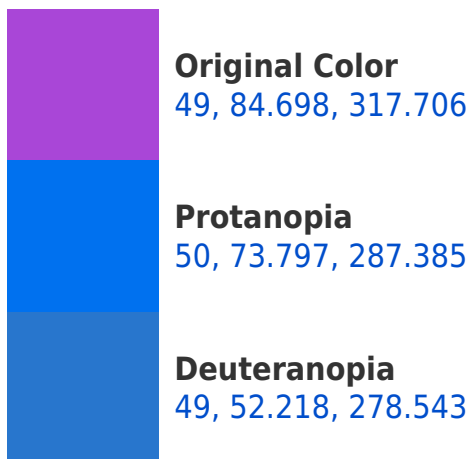


This preview shows how white text looks on a background with the CIELCh color 49, 84.698, 317.706.

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, 21.170, 9.594

Trichromacy



Original Color
49, 84.698, 317.706



Protanomaly
46, 78.231, 294.632



Deuteranomaly
47, 63.623, 295.170



Tritanomaly
48, 41.475, 330.851

Monochromacy



Original Color
49, 84.698, 317.706



Achromatopsia
49, 0.007, 296.813



Achromatomaly
47, 33.942, 316.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 84.698, 317.706 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(169, 70, 215)` looks like.

```
.text, #text, p{  
    color:rgb(169, 70, 215)  
}
```

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(169, 70, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 70, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 84.698, 317.706 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(169, 70, 215) }
```

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

```
.border{ border-color:rgb(169, 70, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 70, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 70, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 70, 215);  
box-shadow:4px 4px 4px 4px rgb(169, 70,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 84.698, 317.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 70, 215) }
```

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

```
.background{ background-color: rgb(169, 70,  
215) }
```

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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