

Converting Colors

CIELCh(49, 97.954, 316.229)

Have a look what the booklet for
CIELCh(49, 97.954, 316.229)
contains.

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Color

CIELCh(49, 97.976, 316.229)

Conversions

Conversions Part 1

Format	Color
Hex	AA3CEA
RGB	170, 60, 234
RGB Percent	67%, 24%, 92%
CMY	0.3351, 0.7665, 0.0841
CMYK	0.27, 0.75, 0.00, 0.08
HSL	278°, 80%, 57%
HSV	278°, 75%, 92%
XYZ	32.8594, 17.5941, 79.1729
YIQ	112.7260, 9.7060, 77.4340

Conversions

Conversions Part 2

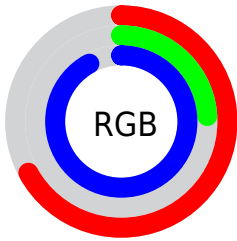
Format	Color
R _Y B	170, 60, 234
Decimal	11156714
CIE Lab	49.00, 70.75, -67.78
CIE LCh	49, 97.976, 316.229
Yxy	17.5941, 0.2535, 0.1357
Android (android.graphics.Color)	4289346794 (0xFFAA3CEA)
YUV	112.7260, 59.7881, 50.2293
Hunter-Lab	41.9453, 66.4305, -82.5499

Details

The CIELCh color **49, 97.976, 316.229** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **84, 91.710, 130.490**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 80.505, 321.602**, and **31, 92.339, 315.201** is the 20% darker color. If you saturate the color by 10%, you get **45, 106.411, 316.057**, and if you desaturate by 10%, it is **54, 87.101, 316.141**.

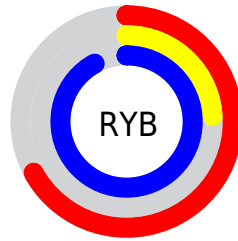
Distribution



Red (67%)

Green (24%)

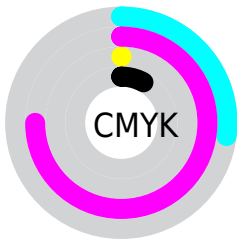
Blue (92%)



Red (67%)

Yellow (24%)

Blue (92%)

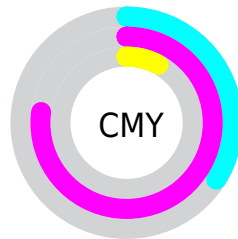


Cyan (27%)

Magenta (75%)

Yellow (0%)

Black (8%)



Cyan (34%)


Magenta (77%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 97.976, 316.229 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, 97.976, 316.229 by changing the saturation by 10% instead.


 49, 97.976,
316.229


 49, 97.976,
316.229

 100, 97.976,
316.229


 39, 97.976,
316.229

 69, 97.976,
316.229


 29, 97.976,
316.229

 79, 97.976,
316.229

 19, 97.976,
316.229

 89, 97.976,
316.229

 9, 97.976, 316.229

 99, 97.976,
316.229

 0, 97.976, 316.229

 49, 97.976,

 49, 97.976,

316.229

45, 106.411,
316.057

43, 111.770,
315.547

41, 113.665,
315.156

316.229

54, 87.101,
316.141

59, 74.587,
315.873

64, 61.133,
315.496

71, 47.260,
315.061

77, 33.317,
314.607

83, 19.521,
314.154

90, 5.998, 313.704

96, 7.183, 133.358

■ 99, 11.278,
124.329

Harmonies

Complementary

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



49, 97.976, 316.229



84, 91.710, 130.490

Rectangle

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



49, 97.976, 316.229



49, 97.976, 6.229



49, 97.976, 136.229



49, 97.976, 186.229

Sweetspot

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



49, 97.975, 316.229



85, 32.042, 314.497



54, 62.293, 284.315



43, 21.585, 314.621



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, 97.975, 316.229



48, 116.973, 315.851



57, 90.289, 332.160



46, 7.627, 313.930



32, 93.817, 315.329



5, 38.278, 316.077

Inverse Universe

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



54, 69.644, 4.157



55, 82.252, 10.222



82, 93.897, 140.148



46, 5.486, 352.264



38, 66.047, 14.689



7, 27.866, 5.108

Previews

White Background



This preview shows how the CIELCh color 49, 97.976, 316.229 looks on a white background.

Color Contrast Check

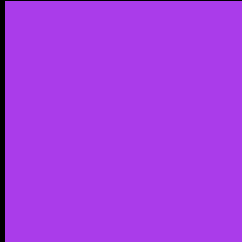
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.976, 316.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

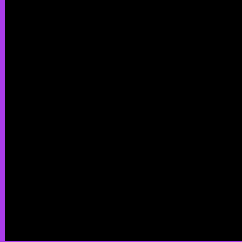
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 97.976, 316.229

Background



This preview shows how black text looks on a background with the CIELCh color 49, 97.976, 316.229.

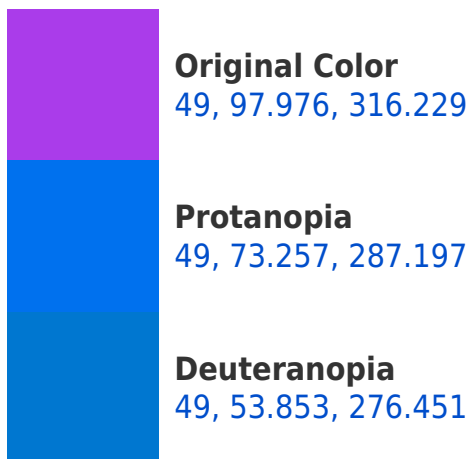


This preview shows how white text looks on a background with the CIELCh color 49, 97.976, 316.229.

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, 19.464, 8.191

Trichromacy



Original Color
49, 97.976, 316.229



Protanomaly
46, 83.389, 296.128



Deuteranomaly
45, 71.019, 293.280



Tritanomaly
48, 46.100, 326.701

Monochromacy



Original Color
49, 97.976, 316.229



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 39.925, 315.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 97.976, 316.229 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(170, 60, 234)` looks like.

```
.text, #text, p{  
    color:rgb(170, 60, 234)  
}
```

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(170, 60, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 60, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 97.976, 316.229 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(170, 60, 234) }
```

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

```
.border{ border-color:rgb(170, 60, 234) }
```

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

Here you see how a box with a 4 pixel rgb(170, 60, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 60, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 60, 234);  
box-shadow:4px 4px 4px 4px rgb(170, 60,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 97.976, 316.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 60, 234) }
```

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

```
.background{ background-color: rgb(170, 60,  
234) }
```

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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