

Converting Colors

CIELCh(49, 88.038, 312.989)

Have a look what the booklet for
CIELCh(49, 88.038, 312.989)
contains.

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Color

CIELCh(49, 88.001, 313.099)

Conversions

Conversions Part 1

Format	Color
Hex	9B4BE3
RGB	155, 75, 227
RGB Percent	61%, 29%, 89%
CMY	0.3915, 0.7053, 0.1091
CMYK	0.32, 0.67, 0.00, 0.11
HSL	272°, 73%, 59%
HSV	272°, 67%, 89%
XYZ	29.9650, 17.5941, 74.6126
YIQ	116.2480, -1.1120, 64.2320

Conversions

Conversions Part 2

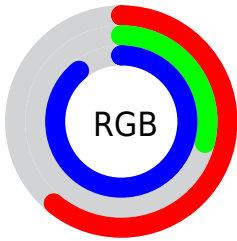
Format	Color
R_{YB}	155, 75, 227
Decimal	10177507
CIE _{Lab}	49.00, 60.13, -64.26
CIE _{LCh}	49, 88.001, 313.099
Yxy	17.5941, 0.2453, 0.1440
Android (android.graphics.Color)	4288367587 (0xFF9B4BE3)
YUV	116.2480, 54.6007, 33.9855
Hunter-Lab	41.9453, 54.1132, -76.1038

Details

The CIELCh color **49, 88.001, 313.099** 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 **83, 80.113, 127.223**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 73.155, 317.021**, and **29, 88.192, 312.990** is the 20% darker color. If you saturate the color by 10%, you get **44, 98.894, 313.258**, and if you desaturate by 10%, it is **54, 75.544, 312.743**.

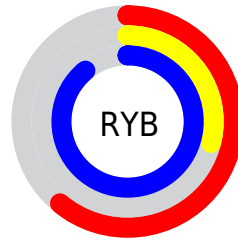
Distribution



Red (61%)

Green (29%)

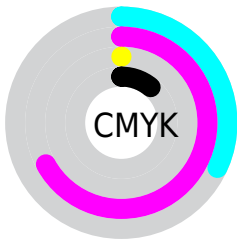
Blue (89%)



Red (61%)

Yellow (29%)

Blue (89%)

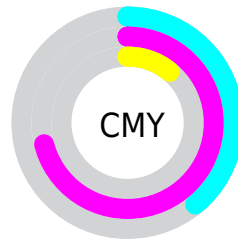


Cyan (32%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (39%)

Magenta (71%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 88.001, 313.099 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, 88.001, 313.099 by changing the saturation by 10% instead.

 49, 88.001,
313.099


 49, 88.001,
313.099


 100, 88.001,
313.099


 39, 88.001,
313.099

 69, 88.001,
313.099


 29, 88.001,
313.099

 79, 88.001,
313.099

 19, 88.001,
313.099

 89, 88.001,
313.099

 9, 88.001, 313.099

 99, 88.001,
313.099

 0, 88.001, 313.099


 49, 88.001,


 49, 88.001,


313.099


313.099

 44, 98.894,
313.258


 54, 75.544,
312.743


 40, 107.327,
313.110


 60, 62.270,
312.278

 38, 112.589,
312.563

 66, 48.697,
311.765


 37, 113.854,
312.363

 73, 35.150,
311.245

 79, 21.817,
310.744

 86, 8.800, 310.268

 92, 3.852, 129.894

 98, 14.999,
128.379

■ 99, 14.136,
113.518

Harmonies

Complementary

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



49, 88.001, 313.099



83, 80.113, 127.223

Rectangle

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



49, 88.001, 313.099



49, 88.001, 3.099



49, 88.001, 133.099



49, 88.001, 183.099

Sweetspot

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



49, 88.000, 313.099



86, 28.449, 310.902



60, 46.579, 272.303



44, 19.479, 311.044



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, 88.000, 313.099



48, 111.592, 313.246



59, 88.394, 328.216



45, 7.312, 310.387



28, 94.916, 312.542



4, 35.788, 311.974

Inverse Universe

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



56, 64.955, 353.936



58, 79.406, 357.581



80, 89.973, 138.776



45, 5.752, 345.861



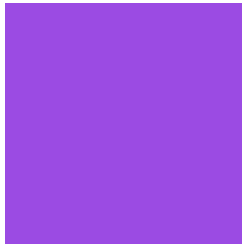
38, 64.655, 4.397



7, 27.372, 356.950

Previews

White Background



This preview shows how the CIELCh color 49, 88.001, 313.099 looks on a white background.

Color Contrast Check

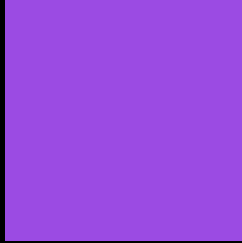
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.001, 313.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

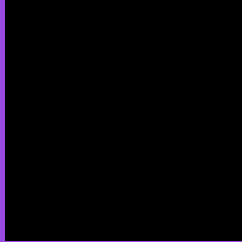
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 88.001, 313.099

Background



This preview shows how black text looks on a background with the CIELCh color 49, 88.001, 313.099.

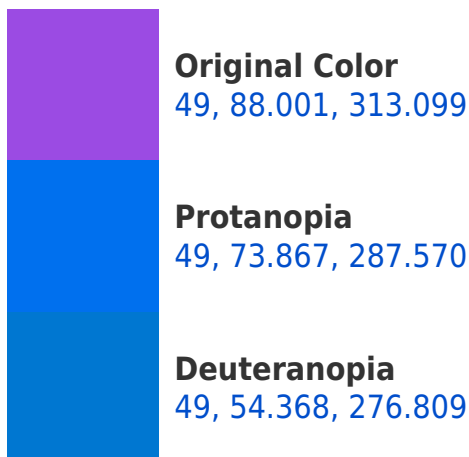


This preview shows how white text looks on a background with the CIELCh color 49, 88.001, 313.099.

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, 11.280, 356.351

Trichromacy



Original Color
49, 88.001, 313.099



Protanomaly
47, 79.246, 294.006



Deuteranomaly
46, 66.784, 290.269



Tritanomaly
48, 39.247, 318.533

Monochromacy



Original Color
49, 88.001, 313.099



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 34.178, 311.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 88.001, 313.099 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(155, 75, 227)` looks like.

```
.text, #text, p{  
    color:rgb(155, 75, 227)  
}
```

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(155, 75, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 75, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 88.001, 313.099 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(155, 75, 227) }
```

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

```
.border{ border-color:rgb(155, 75, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 75, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 75, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 75, 227);  
box-shadow:4px 4px 4px 4px rgb(155, 75,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 88.001, 313.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 75, 227) }
```

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

```
.background{ background-color: rgb(155, 75,  
227) }
```

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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