

Converting Colors

CIELCh(49, 102.025, 309.139)

Have a look what the booklet for
CIELCh(49, 102.025, 309.139)
contains.

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Color

CIELCh(49, 102.162, 309.066)

Conversions

Conversions Part 1

Format	Color
Hex	8C4AFE
RGB	140, 74, 254
RGB Percent	55%, 29%, 100%
CMY	0.4515, 0.7103, 0.0044
CMYK	0.45, 0.71, 0.00, 0.00
HSL	262°, 99%, 64%
HSV	262°, 71%, 100%
XYZ	31.1035, 17.5941, 95.4169
YIQ	114.2540, -18.4440, 69.9720

Conversions

Conversions Part 2

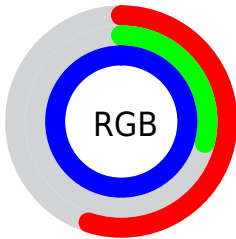
Format	Color
R _Y B	140, 74, 254
Decimal	9194238
CIE Lab	49.00, 64.38, -79.32
CIE LCh	49, 102.162, 309.066
Yxy	17.5941, 0.2158, 0.1221
Android (android.graphics.Color)	4287384318 (0xFF8C4AFE)
YUV	114.2540, 68.8948, 22.5792
Hunter-Lab	41.9453, 58.9582, -105.5109

Details

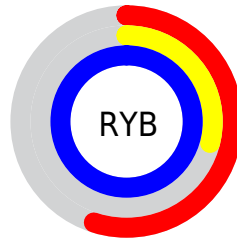
The CIELCh color **49, 102.162, 309.066** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 87.620, 121.245**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.963, 313.932**, and **29, 102.109, 309.107** is the 20% darker color. If you saturate the color by 10%, you get **44, 114.292, 309.473**, and if you desaturate by 10%, it is **55, 88.158, 308.423**.

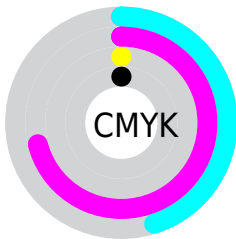
Distribution



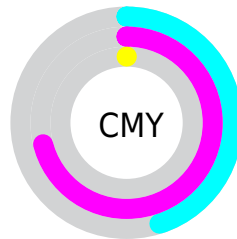
- Red (55%)
- Green (29%)
- Blue (100%)



- Red (55%)
- Yellow (29%)
- Blue (100%)



- Cyan (45%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 102.162, 309.066 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, 102.162, 309.066 by changing the saturation by 10% instead.


 49, 102.162,
309.066


 49, 102.162,
309.066


 100, 102.162,
309.066


 39, 102.162,
309.066


 69, 102.162,
309.066


 29, 102.162,
309.066


 79, 102.162,
309.066


 19, 102.162,
309.066

 89, 102.162,
309.066

 9, 102.162,
309.066

 99, 102.162,
309.066

 0, 102.162,
309.066

 49, 102.162,

 49, 102.162,

309.066

309.066

■ 44, 114.292,
309.473

■ 55, 88.158,
308.423

■ 39, 123.247,
309.480

■ 62, 73.310,
307.673

■ 37, 128.159,
309.101

■ 69, 58.271,
306.904

■ 77, 43.405,
306.165

■ 84, 28.894,
305.483

■ 91, 14.819,
304.865

■ 99, 1.209, 304.254

■ 100, 0.559,
109.998

Harmonies

Complementary

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



49, 102.162, 309.066



93, 87.620, 121.245

Rectangle

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



49, 102.162, 309.066



49, 102.162, 359.066



49, 102.162, 129.066



49, 102.162, 179.066

Sweetspot

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



49, 102.162, 309.067



84, 29.146, 305.490



73, 42.538, 252.244



43, 19.816, 305.672



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, 102.162, 309.067



42, 118.840, 309.533



60, 100.705, 322.955



49, 7.742, 304.785



27, 103.356, 309.274



5, 44.859, 309.334

Inverse Universe

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



61, 79.723, 344.318



58, 86.940, 346.930



89, 100.175, 135.595



50, 7.000, 337.776



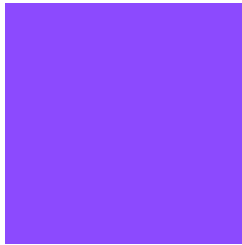
42, 71.496, 350.157



11, 33.715, 346.640

Previews

White Background



This preview shows how the CIELCh color 49, 102.162, 309.066 looks on a white background.

Color Contrast Check

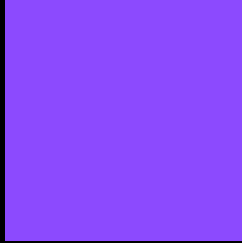
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.162, 309.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

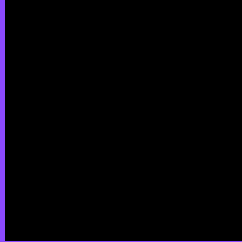
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 102.162, 309.066

Background



This preview shows how black text looks on a background with the CIELCh color 49, 102.162, 309.066.



This preview shows how white text looks on a background with the CIELCh color 49, 102.162,

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, 102.162, 309.066

Protanopia

49, 73.327, 287.383

Deuteranopia

49, 51.808, 274.950



Tritanopia
49, 6.247, 257.309

Trichromacy



Original Color
49, 102.162, 309.066



Protanomaly
47, 84.858, 294.838



Deuteranomaly
47, 70.199, 290.673



Tritanomaly
47, 42.528, 303.735

Monochromacy



Original Color
49, 102.162, 309.066



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 40.036, 306.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 102.162, 309.066 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(140, 74, 254)` looks like.

```
.text, #text, p{  
    color:rgb(140, 74, 254)  
}
```

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(140, 74, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 74, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 102.162, 309.066 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(140, 74, 254) }
```

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

```
.border{ border-color:rgb(140, 74, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 74, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 74, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 74, 254);  
box-shadow:4px 4px 4px 4px rgb(140, 74,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 102.162, 309.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 74, 254) }
```

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

```
.background{ background-color: rgb(140, 74,  
254) }
```

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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