

Converting Colors

CIELCh(49, 108.203, 312.293)

Have a look what the booklet for
CIELCh(49, 108.203, 312.293)
contains.

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Color

CIELCh(49, 107.889, 312.292)

Conversions

Conversions Part 1

Format	Color
Hex	9C3DFF
RGB	156, 61, 255
RGB Percent	61%, 24%, 100%
CMY	0.3887, 0.7612, 0.0004
CMYK	0.39, 0.76, 0.00, 0.00
HSL	269°, 100%, 62%
HSV	269°, 76%, 100%
XYZ	33.3819, 17.5941, 96.1479
YIQ	111.5210, -5.6540, 80.4740

Conversions

Conversions Part 2

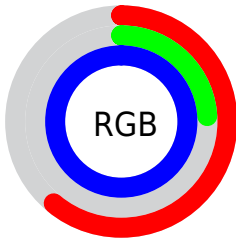
Format	Color
R _Y B	156, 61, 255
Decimal	10239487
CIE Lab	49.00, 72.60, -79.81
CIE LCh	49, 107.889, 312.292
Yxy	17.5941, 0.2269, 0.1196
Android (android.graphics.Color)	4288429567 (0xFF9C3DFF)
YUV	111.5210, 70.7351, 39.0081
Hunter-Lab	41.9453, 68.6537, -106.5442

Details

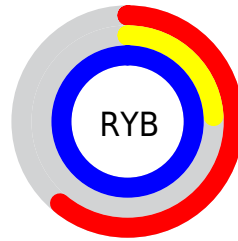
The CIELCh color **49, 107.889, 312.292** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 95.686, 126.039**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 79.642, 318.655**, and **30, 103.309, 311.341** is the 20% darker color. If you saturate the color by 10%, you get **45, 117.552, 312.214**, and if you desaturate by 10%, it is **54, 95.574, 312.059**.

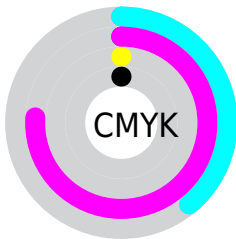
Distribution



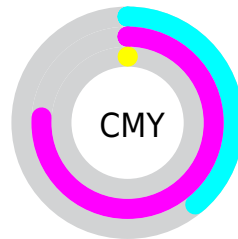
- Red (61%)
- Green (24%)
- Blue (100%)



- Red (61%)
- Yellow (24%)
- Blue (100%)



- Cyan (39%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (76%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 107.889, 312.292 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, 107.889, 312.292 by changing the saturation by 10% instead.


 49, 107.889,
312.292


 49, 107.889,
312.292


 100, 107.889,
312.292


 39, 107.889,
312.292


 69, 107.889,
312.292


 29, 107.889,
312.292


 79, 107.889,
312.292


 19, 107.889,
312.292

 89, 107.889,
312.292

 9, 107.889,
312.292

 99, 107.889,
312.292

 0, 107.889,
312.292

 49, 107.889,

 49, 107.889,

312.292

■ 45, 117.552,
312.214

■ 41, 123.636,
311.711

■ 41, 125.290,
311.443

312.292

■ 54, 95.574,
312.059

■ 61, 81.652,
311.633

■ 67, 66.949,
311.108

■ 74, 52.016,
310.547

■ 81, 37.183,
309.990

■ 88, 22.635,
309.462

■ 96, 8.466, 308.966

100, 0.046,
108.501

Harmonies

Complementary

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



49, 107.889, 312.292



91, 95.686, 126.039

Rectangle

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



49, 107.889, 312.292



49, 107.889, 2.292



49, 107.889, 132.292



49, 107.889, 182.292

Sweetspot

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



49, 107.889, 312.292



83, 32.630, 309.822



65, 54.777, 272.456



42, 22.690, 310.018



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, 107.889, 312.292



43, 121.050, 312.026



63, 105.928, 327.387



49, 7.914, 309.132



30, 100.756, 311.638



6, 44.909, 312.594

Inverse Universe

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



59, 78.378, 353.648



56, 83.800, 358.319



88, 108.213, 137.209



50, 6.427, 343.851



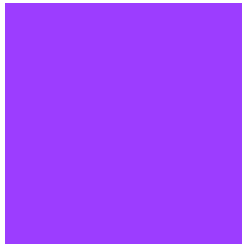
41, 68.368, 1.135



10, 31.970, 355.696

Previews

White Background



This preview shows how the CIELCh color 49, 107.889, 312.292 looks on a white background.

Color Contrast Check

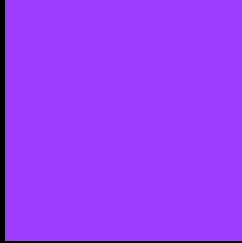
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.889, 312.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

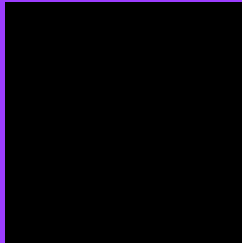
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 107.889, 312.292

Background



This preview shows how black text looks on a background with the CIELCh color 49, 107.889, 312.292.

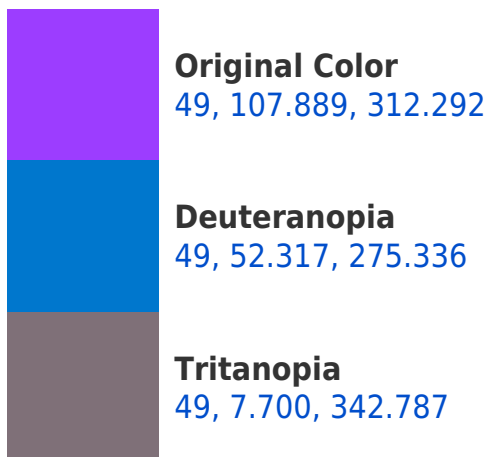


This preview shows how white text looks on a background with the CIELCh color 49, 107.889, 312.292.

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



Trichromacy



Original Color
49, 107.889, 312.292

Deuteranomaly
46, 73.804, 293.131

Tritanomaly
47, 47.231, 314.211

Monochromacy



Original Color
49, 107.889, 312.292

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 43.204, 310.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 107.889, 312.292 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(156, 61, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 61, 255)  
}
```

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(156, 61, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 61, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 107.889, 312.292 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(156, 61, 255) }
```

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

```
.border{ border-color:rgb(156, 61, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 61, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 61, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 61, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 61,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 107.889, 312.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 61, 255) }
```

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

```
.background{ background-color: rgb(156, 61,  
255) }
```

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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