

Converting Colors

CIELCh(49, 113.264, 314.843)

Have a look what the booklet for
CIELCh(49, 113.264, 314.843)
contains.

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Color

CIELCh(49, 112.898, 314.930)

Conversions

Conversions Part 1

Format	Color
Hex	A92DFF
RGB	169, 45, 255
RGB Percent	66%, 18%, 100%
CMY	0.3363, 0.8224, 0.0000
CMYK	0.34, 0.82, 0.00, 0.00
HSL	275°, 100%, 59%
HSV	275°, 82%, 100%
XYZ	35.4483, 17.5941, 96.3288
YIQ	106.0160, 6.4940, 91.5980

Conversions

Conversions Part 2

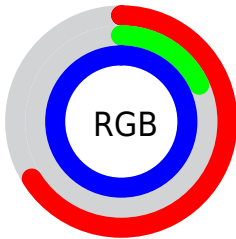
Format	Color
R _Y B	169, 45, 255
Decimal	11087359
CIE Lab	49.00, 79.73, -79.93
CIE LCh	49, 112.898, 314.930
Yxy	17.5941, 0.2373, 0.1178
Android (android.graphics.Color)	4289277439 (0xFFA92DFF)
YUV	106.0160, 73.4491, 55.2370
Hunter-Lab	41.9453, 77.4474, -106.7998

Details

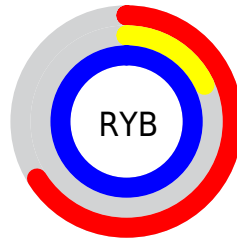
The CIELCh color **49, 112.898, 314.930** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 103.609, 129.518**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 85.794, 322.096**, and **32, 101.735, 313.000** is the 20% darker color. If you saturate the color by 10%, you get **46, 119.523, 314.515**, and if you desaturate by 10%, it is **53, 102.831, 315.035**.

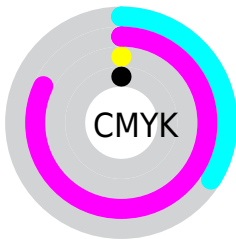
Distribution



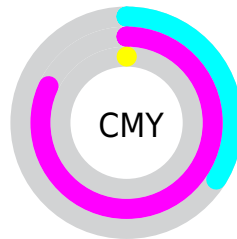
- Red (66%)
- Green (18%)
- Blue (100%)



- Red (66%)
- Yellow (18%)
- Blue (100%)



- Cyan (34%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 112.898, 314.930 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, 112.898, 314.930 by changing the saturation by 10% instead.


 49, 112.898,
314.930


 49, 112.898,
314.930


 100, 112.898,
314.930


 39, 112.898,
314.930


 69, 112.898,
314.930


 29, 112.898,
314.930


 79, 112.898,
314.930


 19, 112.898,
314.930

 89, 112.898,
314.930

 9, 112.898,
314.930

 99, 112.898,
314.930

 0, 112.898,
314.930

 49, 112.898,

 49, 112.898,

314.930

314.930

■ 46, 119.523,
314.515

■ 53, 102.831,
315.035

■ 44, 122.585,
313.948

■ 59, 90.466,
314.867

■ 65, 76.595,
314.533

■ 71, 61.942,
314.107

■ 78, 47.011,
313.638

■ 84, 32.125,
313.163

■ 91, 17.474,
312.699

■ 98, 3.165, 312.221

100, 0.012,
296.813

Harmonies

Complementary

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



49, 112.898, 314.930



90, 103.609, 129.518

Rectangle

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



49, 112.898, 314.930



49, 112.898, 4.930



49, 112.898, 134.930



49, 112.898, 184.930

Sweetspot

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



49, 112.795, 314.949



83, 36.215, 313.293



57, 70.254, 284.775



41, 24.792, 313.461



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, 112.795, 314.949



44, 122.215, 314.021



61, 103.723, 331.204



49, 8.089, 312.575



32, 98.587, 314.138



7, 44.698, 315.415

Inverse Universe

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



57, 79.417, 3.692



54, 84.611, 11.428



88, 109.204, 138.299



50, 6.021, 349.682



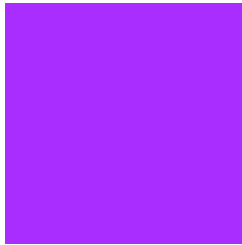
41, 68.225, 10.938



10, 31.320, 4.030

Previews

White Background



This preview shows how the CIE LCh color 49, 112.898, 314.930 looks on a white background.

Color Contrast Check

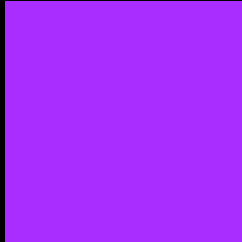
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.898, 314.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

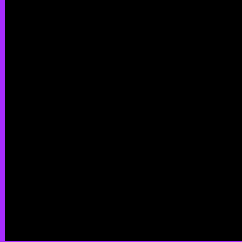
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 112.898, 314.930

Background



This preview shows how black text looks on a background with the CIELCh color 49, 112.898, 314.930.

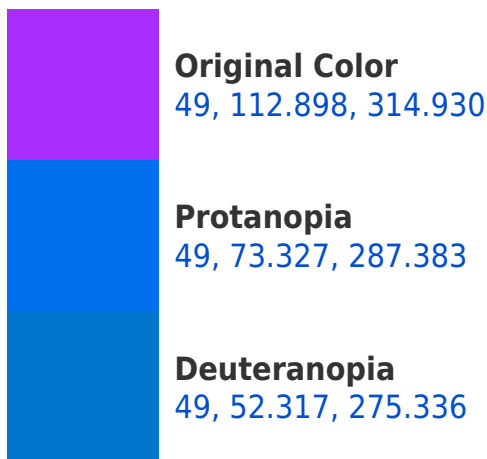


This preview shows how white text looks on a background with the CIELCh color 49, 112.898, 314.930.

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, 16.107, 4.699

Trichromacy



Original Color
49, 112.898, 314.930



Protanomaly
45, 91.449, 298.187



Deuteranomaly
44, 77.529, 295.496



Tritanomaly
47, 52.395, 322.466

Monochromacy



Original Color
49, 112.898, 314.930



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 47.725, 314.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 112.898, 314.930 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, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 45, 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(169, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 45, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 112.898, 314.930 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, 45, 255) }
```

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

```
.border{ border-color:rgb(169, 45, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 45, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 45,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 112.898, 314.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 45, 255) }
```

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

```
.background{ background-color: rgb(169, 45,  
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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