

Converting Colors

CIELCh(49, 108.638, 314.411)

Have a look what the booklet for
CIELCh(49, 108.638, 314.411)
contains.

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Color

CIELCh(49, 108.618, 314.449)

Conversions

Conversions Part 1

Format	Color
Hex	A635FB
RGB	166, 53, 251
RGB Percent	65%, 21%, 98%
CMY	0.3494, 0.7925, 0.0160
CMYK	0.34, 0.79, 0.00, 0.02
HSL	274°, 96%, 60%
HSV	274°, 79%, 98%
XYZ	34.3746, 17.5941, 92.7777
YIQ	109.3590, 3.7900, 85.5340

Conversions

Conversions Part 2

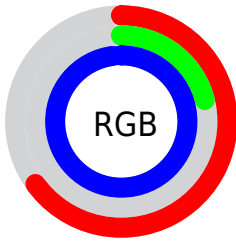
Format	Color
R _Y B	166, 53, 251
Decimal	10892795
CIE Lab	49.00, 76.06, -77.54
CIE LCh	49, 108.618, 314.449
Yxy	17.5941, 0.2375, 0.1216
Android (android.graphics.Color)	4289082875 (0xFFA635FB)
YUV	109.3590, 69.8290, 49.6742
Hunter-Lab	41.9453, 72.8783, -101.7804

Details

The CIELCh color **49, 108.618, 314.449** 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 **89, 99.145, 128.783**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 82.990, 321.201**, and **31, 100.266, 312.912** is the 20% darker color. If you saturate the color by 10%, you get **45, 116.584, 314.159**, and if you desaturate by 10%, it is **54, 97.716, 314.416**.

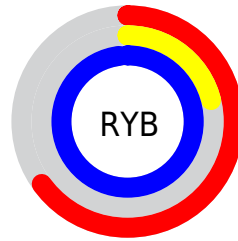
Distribution



Red (65%)

Green (21%)

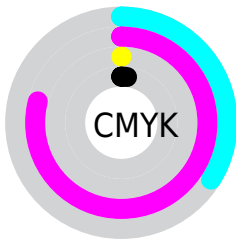
Blue (98%)



Red (65%)

Yellow (21%)

Blue (98%)

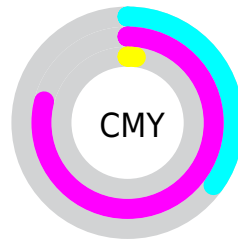


Cyan (34%)

Magenta (79%)

Yellow (0%)

Black (2%)



Cyan (35%)

Magenta (79%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 108.618, 314.449 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, 108.618, 314.449 by changing the saturation by 10% instead.

 49, 108.618,
314.449


 49, 108.618,
314.449


 100, 108.618,
314.449


 39, 108.618,
314.449

 69, 108.618,
314.449


 29, 108.618,
314.449


 79, 108.618,
314.449


 19, 108.618,
314.449


 89, 108.618,
314.449

 9, 108.618,
314.449

 99, 108.618,
314.449


 0, 108.618,
314.449

 49, 108.618,

 49, 108.618,

314.449


314.449


 45, 116.584,
314.159


 54, 97.716,
314.416


 43, 121.201,
313.493


 59, 84.796,
314.159


 42, 121.617,
313.415

 65, 70.706,
313.766

 72, 56.083,
313.303

 79, 41.346,
312.816

 85, 26.754,
312.333

 92, 12.453,
311.869

 99, 1.480, 131.571

100, 2.062,
109.986

Harmonies

Complementary

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



49, 108.618, 314.449



89, 99.145, 128.783

Rectangle

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



49, 108.618, 314.449



49, 108.618, 4.449



49, 108.618, 134.449



49, 108.618, 184.449

Sweetspot

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



49, 108.617, 314.449



83, 34.594, 312.578



58, 64.544, 281.972



42, 23.855, 312.751



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, 108.617, 314.449



44, 121.226, 313.782



61, 101.806, 330.408



48, 7.919, 311.895



31, 98.019, 313.610



6, 43.249, 314.748

Inverse Universe

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



57, 77.031, 0.777



55, 83.633, 7.448



87, 106.114, 138.376



49, 5.996, 348.450



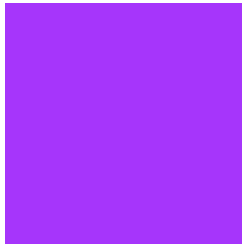
40, 67.384, 8.908



10, 30.578, 1.960

Previews

White Background



This preview shows how the CIELCh color 49, 108.618, 314.449 looks on a white background.

Color Contrast Check

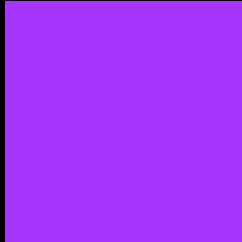
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 108.618, 314.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

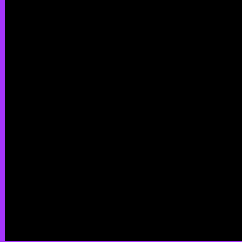
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 108.618, 314.449

Background



This preview shows how black text looks on a background with the CIELCh color 49, 108.618, 314.449.

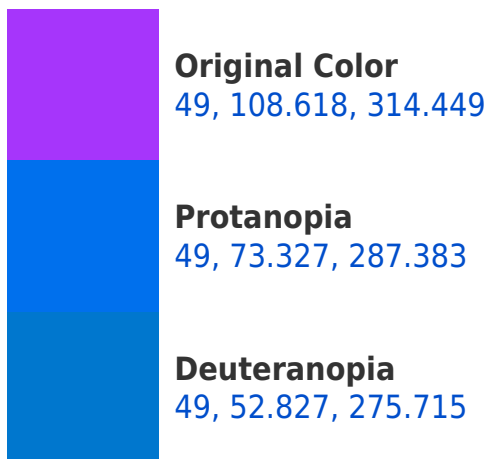


This preview shows how white text looks on a background with the CIELCh color 49, 108.618,

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, 14.467, 2.462

Trichromacy



Original Color
49, 108.618, 314.449



Protanomaly
45, 88.553, 297.198



Deuteranomaly
45, 75.103, 294.281



Tritanomaly
47, 49.603, 320.951

Monochromacy



Original Color
49, 108.618, 314.449



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 45.015, 313.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 108.618, 314.449 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(166, 53, 251)` looks like.

```
.text, #text, p{  
    color:rgb(166, 53, 251)  
}
```

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(166, 53, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 53, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 108.618, 314.449 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(166, 53, 251) }
```

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

```
.border{ border-color:rgb(166, 53, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 53, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 53, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 53, 251);  
box-shadow:4px 4px 4px 4px rgb(166, 53,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 108.618, 314.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 53, 251) }
```

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

```
.background{ background-color: rgb(166, 53,  
251) }
```

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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