

Converting Colors

CIELCh(49, 107.000, 311.281)

Have a look what the booklet for
CIELCh(49, 107.000, 311.281)
contains.

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Color

CIELCh(49, 106.420, 311.321)

Conversions

Conversions Part 1

Format	Color
Hex	9741FF
RGB	151, 65, 255
RGB Percent	59%, 25%, 100%
CMY	0.4076, 0.7449, 0.0000
CMYK	0.41, 0.74, 0.00, 0.00
HSL	267°, 100%, 63%
HSV	267°, 74%, 100%
XYZ	32.7240, 17.5941, 96.3218
YIQ	112.3740, -9.7340, 77.3220

Conversions

Conversions Part 2

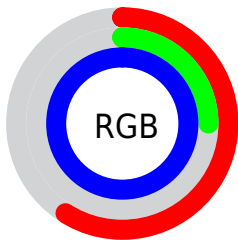
Format	Color
R_{YB}	151, 65, 255
Decimal	9912831
CIE _{Lab}	49.00, 70.27, -79.92
CIE _{LCh}	49, 106.420, 311.321
Yxy	17.5941, 0.2232, 0.1200
Android (android.graphics.Color)	4288102911 (0xFF9741FF)
YUV	112.3740, 70.3146, 33.8750
Hunter-Lab	41.9453, 65.8541, -106.7900

Details

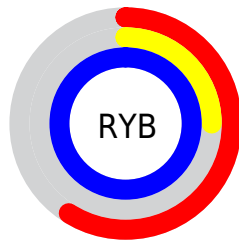
The CIELCh color **49, 106.420, 311.321** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 93.298, 124.667**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 77.654, 317.268**, and **30, 103.870, 310.808** is the 20% darker color. If you saturate the color by 10%, you get **44, 116.876, 311.380**, and if you desaturate by 10%, it is **55, 93.482, 310.975**.

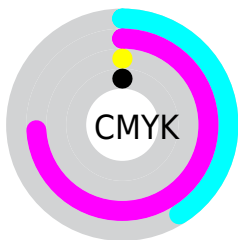
Distribution



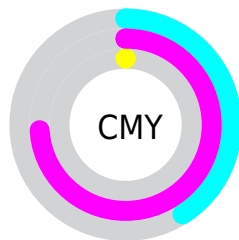
- Red (59%)
- Green (25%)
- Blue (100%)



- Red (59%)
- Yellow (25%)
- Blue (100%)



- Cyan (41%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 106.420, 311.321 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, 106.420, 311.321 by changing the saturation by 10% instead.


 49, 106.420,
311.321


 49, 106.420,
311.321


 100, 106.420,
311.321


 39, 106.420,
311.321


 69, 106.420,
311.321


 29, 106.420,
311.321


 79, 106.420,
311.321


 19, 106.420,
311.321

 89, 106.420,
311.321

 9, 106.420,
311.321

 99, 106.420,
311.321

 0, 106.420,
311.321

 49, 106.420,

 49, 106.420,

311.321

311.321

■ 44, 116.876,
311.380

■ 55, 93.482,
310.975

■ 41, 123.852,
311.011

■ 61, 79.200,
310.456

■ 39, 126.338,
310.659

■ 68, 64.333,
309.861

■ 75, 49.374,
309.249

■ 82, 34.606,
308.658

■ 89, 20.178,
308.105

■ 97, 6.163, 307.591

■ 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, 106.420, 311.321



92, 93.298, 124.667

Rectangle

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



49, 106.420, 311.321



49, 106.420, 1.321



49, 106.420, 131.321



49, 106.420, 181.321

Sweetspot

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



49, 106.395, 311.324



84, 30.977, 308.516



67, 50.915, 267.805



43, 20.894, 308.671



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, 106.395, 311.324



43, 120.505, 311.273



62, 104.574, 326.249



49, 7.858, 307.846



29, 101.554, 310.851



6, 44.922, 311.591

Inverse Universe

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



60, 78.715, 350.601



56, 84.433, 354.513



89, 106.211, 136.939



50, 6.590, 341.918



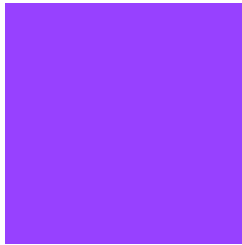
41, 68.988, 357.692



11, 32.392, 352.838

Previews

White Background



This preview shows how the CIE LCh color 49, 106.420, 311.321 looks on a white background.

Color Contrast Check

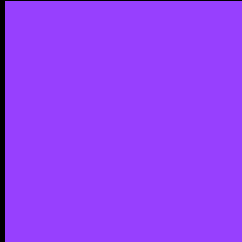
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.420, 311.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

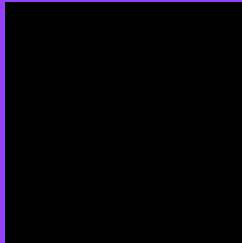
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 106.420, 311.321

Background



This preview shows how black text looks on a background with the CIELCh color 49, 106.420, 311.321.

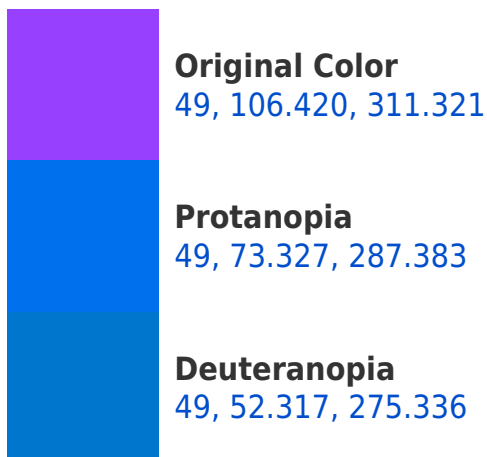


This preview shows how white text looks on a background with the CIELCh color 49, 106.420, 311.321.

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, 6.434, 324.800

Trichromacy



Original Color
49, 106.420, 311.321



Protanomaly
46, 87.218, 295.999



Deuteranomaly
46, 73.205, 292.600



Tritanomaly
47, 45.415, 311.229

Monochromacy



Original Color
49, 106.420, 311.321



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 42.345, 309.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 106.420, 311.321 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(151, 65, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 65, 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(151, 65, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 65, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 106.420, 311.321 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(151, 65, 255) }
```

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

```
.border{ border-color:rgb(151, 65, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 65, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 65, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 65, 255); box-shadow:4px 4px 4px 4px rgb(151, 65, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 106.420, 311.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 65, 255) }
```

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

```
.background{ background-color: rgb(151, 65,  
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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