

Converting Colors

CIELCh(49, 100.568, 306.567)

Have a look what the booklet for
CIELCh(49, 100.568, 306.567)
contains.

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Color

CIELCh(49, 100.007, 306.634)

Conversions

Conversions Part 1

Format	Color
Hex	7F50FF
RGB	127, 80, 255
RGB Percent	50%, 31%, 100%
CMY	0.5001, 0.6847, 0.0000
CMYK	0.50, 0.68, 0.00, 0.00
HSL	256°, 100%, 66%
HSV	256°, 68%, 100%
XYZ	29.8454, 17.5941, 96.8166
YIQ	114.0030, -28.1630, 64.3890

Conversions

Conversions Part 2

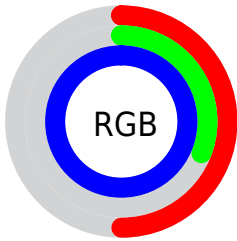
Format	Color
R _Y B	127, 80, 255
Decimal	8343807
CIE Lab	49.00, 59.67, -80.25
CIE LCh	49, 100.007, 306.634
Yxy	17.5941, 0.2069, 0.1220
Android (android.graphics.Color)	4286533887 (0xFF7F50FF)
YUV	114.0030, 69.5115, 11.3984
Hunter-Lab	41.9453, 53.6043, -107.4894

Details

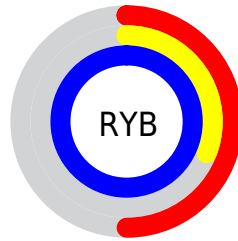
The CIELCh color **49, 100.007, 306.634** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 83.752, 117.082**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 69.987, 310.414**, and **29, 100.159, 306.703** is the 20% darker color. If you saturate the color by 10%, you get **43, 113.189, 307.458**, and if you desaturate by 10%, it is **56, 84.928, 305.652**.

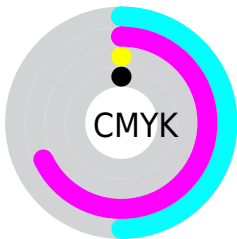
Distribution



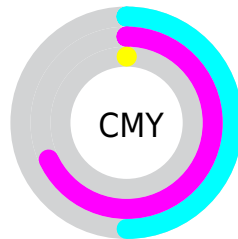
- Red (50%)
- Green (31%)
- Blue (100%)



- Red (50%)
- Yellow (31%)
- Blue (100%)



- Cyan (50%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (68%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 100.007, 306.634 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, 100.007, 306.634 by changing the saturation by 10% instead.


 49, 100.007,
306.634


 49, 100.007,
306.634


 100, 100.007,
306.634


 39, 100.007,
306.634


 69, 100.007,
306.634


 29, 100.007,
306.634


 79, 100.007,
306.634

 19, 100.007,
306.634


 89, 100.007,
306.634

 9, 100.007,
306.634

 99, 100.007,
306.634

 0, 100.007,
306.634

 49, 100.007,

 49, 100.007,

306.634

306.634

■ 43, 113.189,
307.458

■ 56, 84.928,
305.652

■ 38, 123.703,
307.899

■ 63, 69.630,
304.619

■ 35, 130.032,
307.814

■ 70, 54.430,
303.628

■ 35, 130.800,
307.792

■ 78, 39.590,
302.718

■ 86, 25.223,
301.904

■ 93, 11.361,
301.187

■ 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, 100.007, 306.634



94, 83.752, 117.082

Rectangle

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



49, 100.007, 306.634



49, 100.007, 356.634



49, 100.007, 126.634



49, 100.007, 176.634

Sweetspot

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



49, 99.777, 306.645



84, 28.809, 302.100



79, 39.092, 237.703



42, 19.597, 302.322



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, 99.777, 306.645



41, 117.314, 307.667



59, 98.369, 320.305



49, 7.638, 301.257



25, 105.145, 307.934



4, 44.696, 307.013

Inverse Universe

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



63, 83.062, 338.650



59, 91.131, 340.269



90, 95.878, 133.986



50, 7.501, 333.694



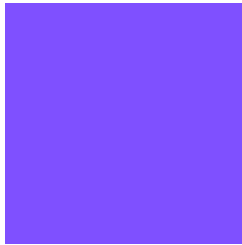
43, 75.813, 342.753



11, 35.674, 340.550

Previews

White Background



This preview shows how the CIELCh color 49, 100.007, 306.634 looks on a white background.

Color Contrast Check

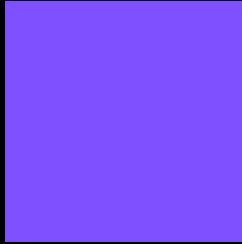
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.007, 306.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

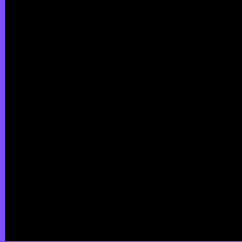
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 100.007, 306.634

Background



This preview shows how black text looks on a background with the CIELCh color 49, 100.007, 306.634.

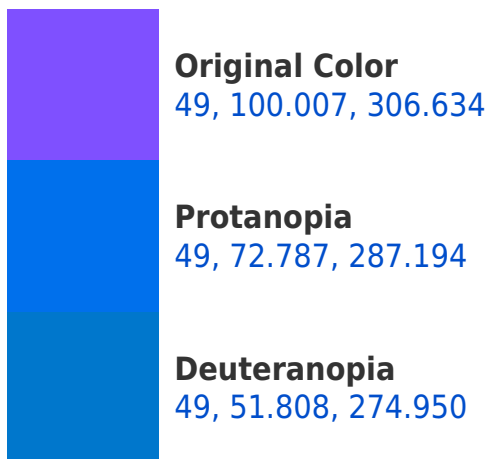


This preview shows how white text looks on a background with the CIELCh color 49, 100.007, 306.634.

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, 11.921, 224.896

Trichromacy



Original Color
49, 100.007, 306.634



Protanomaly
47, 83.045, 293.671



Deuteranomaly
47, 69.582, 289.630



Tritanomaly
47, 40.748, 294.512

Monochromacy



Original Color
49, 100.007, 306.634



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 37.836, 303.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 100.007, 306.634 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(127, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 80, 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(127, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 80, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 100.007, 306.634 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(127, 80, 255) }
```

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

```
.border{ border-color:rgb(127, 80, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 80, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 80,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 100.007, 306.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 80, 255) }
```

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

```
.background{ background-color: rgb(127, 80,  
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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