

Converting Colors

CIELCh(49, 98.970, 306.430)

Have a look what the booklet for
CIELCh(49, 98.970, 306.430)
contains.

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Color

CIELCh(49, 98.964, 306.525)

Conversions

Conversions Part 1

Format	Color
Hex	7F51FE
RGB	127, 81, 254
RGB Percent	50%, 32%, 100%
CMY	0.5013, 0.6818, 0.0033
CMYK	0.50, 0.68, 0.00, 0.00
HSL	256°, 99%, 66%
HSV	256°, 68%, 100%
XYZ	29.6421, 17.5941, 95.7261
YIQ	114.4760, -28.1170, 63.5550

Conversions

Conversions Part 2

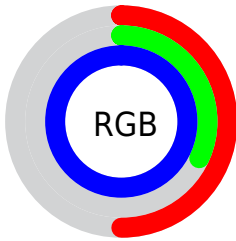
Format	Color
RYB	127, 81, 254
Decimal	8344062
CIELab	49.00, 58.90, -79.53
CIELCh	49, 98.964, 306.525
Yxy	17.5941, 0.2073, 0.1231
Android (android.graphics.Color)	4286534142 (0xFF7F51FE)
YUV	114.4760, 68.7853, 10.9835
Hunter-Lab	41.9453, 52.7390, -105.9480

Details

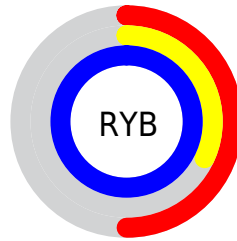
The CIELCh color **49, 98.964, 306.525** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 83.102, 116.925**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 69.337, 310.004**, and **29, 98.918, 306.513** is the 20% darker color. If you saturate the color by 10%, you get **43, 112.447, 307.364**, and if you desaturate by 10%, it is **56, 84.104, 305.516**.

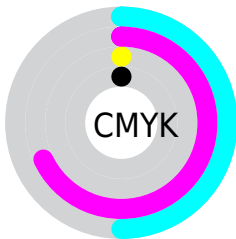
Distribution



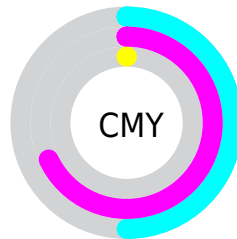
- Red (50%)
- Green (32%)
- Blue (100%)



- Red (50%)
- Yellow (32%)
- 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, 98.964, 306.525 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, 98.964, 306.525 by changing the saturation by 10% instead.


 49, 98.964,
306.525


 49, 98.964,
306.525


 100, 98.964,
306.525


 39, 98.964,
306.525

 69, 98.964,
306.525


 29, 98.964,
306.525

 79, 98.964,
306.525

 19, 98.964,
306.525

 89, 98.964,
306.525

 9, 98.964, 306.525

 99, 98.964,
306.525

 0, 98.964, 306.525

 49, 98.964,

 49, 98.964,

306.525

■ 43, 112.447,
307.364

■ 38, 123.103,
307.837

■ 35, 129.574,
307.781

■ 35, 130.539,
307.753

306.525

■ 56, 84.104,
305.516

■ 63, 68.832,
304.473

■ 71, 53.679,
303.475

■ 78, 38.897,
302.561

■ 86, 24.592,
301.745

■ 94, 10.792,
301.027

■ 100, 0.419,
109.962

Harmonies

Complementary

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



49, 98.964, 306.525



94, 83.102, 116.925

Rectangle

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



49, 98.964, 306.525



49, 98.964, 356.525



49, 98.964, 126.525



49, 98.964, 176.525

Sweetspot

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



49, 98.964, 306.526



85, 27.376, 301.895



79, 38.618, 234.743



43, 18.774, 302.119



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, 98.964, 306.526



41, 117.366, 307.605



59, 97.645, 319.783



49, 7.635, 301.124



25, 105.204, 307.893



4, 44.689, 306.933

Inverse Universe

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



63, 82.725, 338.425



59, 91.345, 340.063



90, 94.765, 133.615



50, 7.520, 333.553



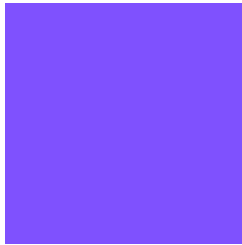
43, 75.999, 342.501



11, 35.755, 340.342

Previews

White Background



This preview shows how the CIELCh color 49, 98.964, 306.525 looks on a white background.

Color Contrast Check

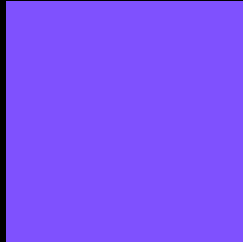
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.964, 306.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

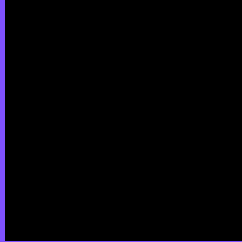
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 98.964, 306.525

Background



This preview shows how black text looks on a background with the CIELCh color 49, 98.964, 306.525.



This preview shows how white text looks on a background with the CIELCh color 49, 98.964, 306.525.

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, 98.964, 306.525



Protanomaly
47, 83.045, 293.671



Deuteranomaly
47, 69.031, 289.463



Tritanomaly
48, 40.112, 293.965

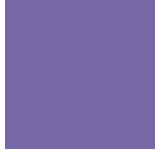
Monochromacy



Original Color
49, 98.964, 306.525



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 37.741, 302.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 98.964, 306.525 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, 81, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 81, 254)  
}
```

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, 81, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 81, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 98.964, 306.525 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, 81, 254) }
```

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

```
.border{ border-color:rgb(127, 81, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 81, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 81, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 81, 254);  
box-shadow:4px 4px 4px 4px rgb(127, 81,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 98.964, 306.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 81, 254) }
```

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

```
.background{ background-color: rgb(127, 81,  
254) }
```

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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