

Converting Colors

CIELCh(49, 97.877, 305.854)

Have a look what the booklet for
CIELCh(49, 97.877, 305.854)
contains.

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Color

CIELCh(49, 97.963, 305.865)

Conversions

Conversions Part 1

Format	Color
Hex	7C53FE
RGB	124, 83, 254
RGB Percent	49%, 33%, 100%
CMY	0.5142, 0.6749, 0.0044
CMYK	0.51, 0.67, 0.00, 0.00
HSL	254°, 99%, 66%
HSV	254°, 67%, 100%
XYZ	29.2487, 17.5941, 95.5194
YIQ	114.7530, -30.4550, 61.8730

Conversions

Conversions Part 2

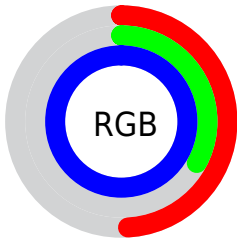
Format	Color
RYB	124, 83, 254
Decimal	8147966
CIELab	49.00, 57.39, -79.39
CIELCh	49, 97.963, 305.865
Yxy	17.5941, 0.2055, 0.1236
Android (android.graphics.Color)	4286338046 (0xFF7C53FE)
YUV	114.7530, 68.6488, 8.1096
Hunter-Lab	41.9453, 51.0651, -105.6558

Details

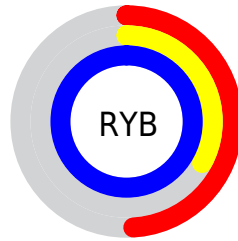
The CIELCh color **49, 97.963, 305.865** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 81.926, 115.741**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.035, 309.161**, and **29, 97.950, 305.878** is the 20% darker color. If you saturate the color by 10%, you get **43, 111.741, 306.828**, and if you desaturate by 10%, it is **56, 82.936, 304.752**.

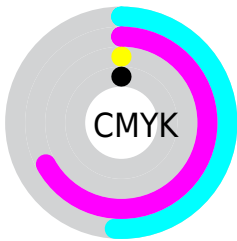
Distribution



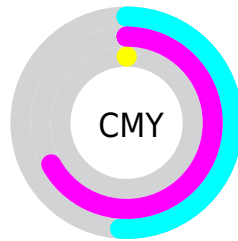
- Red (49%)
- Green (33%)
- Blue (100%)



- Red (49%)
- Yellow (33%)
- Blue (100%)



- Cyan (51%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (67%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 97.963, 305.865 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, 97.963, 305.865 by changing the saturation by 10% instead.


 49, 97.963,
305.865


 49, 97.963,
305.865


 100, 97.963,
305.865


 39, 97.963,
305.865

 69, 97.963,
305.865


 29, 97.963,
305.865

 79, 97.963,
305.865

 19, 97.963,
305.865

 89, 97.963,
305.865

 9, 97.963, 305.865

 99, 97.963,
305.865


 0, 97.963, 305.865


 49, 97.963,

 49, 97.963,

305.865


305.865


 43, 111.741,
306.828


 56, 82.936,
304.752


 38, 122.800,
307.437

 63, 67.601,
303.626

 35, 129.610,
307.500

 71, 52.453,
302.563

 34, 130.938,
307.481

 78, 37.718,
301.599

 86, 23.483,
300.744

 94, 9.766, 299.996

100, 0.556,
109.997

Harmonies

Complementary

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



49, 97.963, 305.865



94, 81.926, 115.741

Rectangle

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



49, 97.963, 305.865



49, 97.963, 355.865



49, 97.963, 125.865



49, 97.963, 175.865

Sweetspot

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



49, 97.963, 305.866



85, 27.305, 300.961



80, 38.205, 231.701



43, 18.727, 301.198



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, 97.963, 305.866



41, 116.595, 307.104



59, 96.712, 319.261



49, 7.612, 300.149



25, 105.622, 307.609



4, 44.637, 306.358

Inverse Universe

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



63, 83.490, 337.062



60, 92.523, 338.476



90, 93.453, 133.241



50, 7.663, 332.542



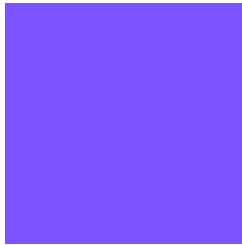
43, 77.411, 340.709



11, 36.363, 338.856

Previews

White Background



This preview shows how the CIELCh color 49, 97.963, 305.865 looks on a white background.

Color Contrast Check

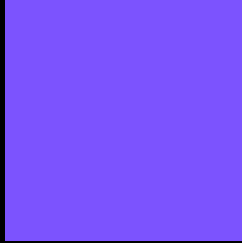
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.963, 305.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

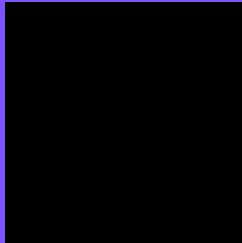
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 97.963, 305.865

Background



This preview shows how black text looks on a background with the CIELCh color 49, 97.963, 305.865.

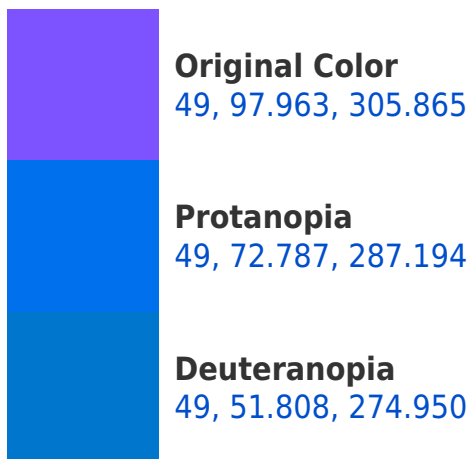


This preview shows how white text looks on a background with the CIELCh color 49, 97.963, 305.865.

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, 13.672, 221.107

Trichromacy



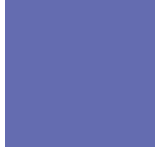
Original Color
49, 97.963, 305.865



Protanomaly
47, 83.059, 293.607



Deuteranomaly
47, 68.426, 288.991



Tritanomaly
48, 40.100, 291.823

Monochromacy



Original Color
49, 97.963, 305.865



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 37.703, 302.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 97.963, 305.865 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(124, 83, 254)` looks like.

```
.text, #text, p{  
    color:rgb(124, 83, 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(124, 83, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 83, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 97.963, 305.865 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(124, 83, 254) }
```

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

```
.border{ border-color:rgb(124, 83, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 83, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 83, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 83, 254);  
box-shadow:4px 4px 4px 4px rgb(124, 83,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 97.963, 305.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 83, 254) }
```

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

```
.background{ background-color: rgb(124, 83,  
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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