

Converting Colors

CIELCh(50, 96.747, 305.686)

Have a look what the booklet for
CIELCh(50, 96.747, 305.686)
contains.

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Color

CIELCh(50, 96.747, 305.685)

Conversions

Conversions Part 1

Format	Color
Hex	7E56FF
RGB	126, 86, 255
RGB Percent	49%, 34%, 100%
CMY	0.5043, 0.6615, 0.0000
CMYK	0.50, 0.66, 0.00, 0.00
HSL	254°, 100%, 67%
HSV	254°, 66%, 100%
XYZ	30.1286, 18.4187, 96.8975
YIQ	117.2260, -30.4090, 61.0390

Conversions

Conversions Part 2

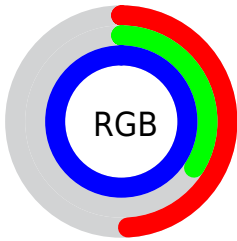
Format	Color
R _Y B	126, 86, 255
Decimal	8279807
CIE _{Lab}	50.00, 56.44, -78.58
CIE _{LCh}	50, 96.747, 305.685
Y _{xy}	18.4187, 0.2071, 0.1266
Android (android.graphics.Color)	4286469887 (0xFF7E56FF)
YUV	117.2260, 67.9226, 7.6948
Hunter-Lab	42.9170, 50.2059, -103.8226

Details

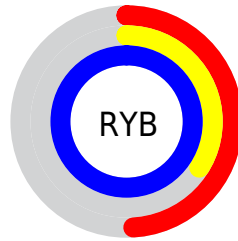
The CIELCh color **50, 96.747, 305.685** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **95, 81.040, 115.670**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **66, 66.239, 308.892**, and **30, 96.950, 305.756** is the 20% darker color. If you saturate the color by 10%, you get **44, 110.608, 306.690**, and if you desaturate by 10%, it is **57, 81.387, 304.563**.

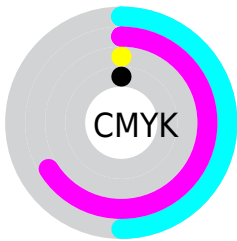
Distribution



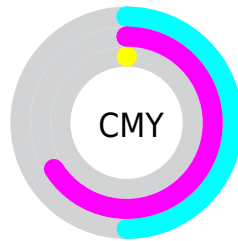
- Red (49%)
- Green (34%)
- Blue (100%)



- Red (49%)
- Yellow (34%)
- Blue (100%)



- Cyan (50%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 96.747, 305.685 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 50, 96.747, 305.685 by changing the saturation by 10% instead.


 50, 96.747,
305.685


 50, 96.747,
305.685


 100, 96.747,
305.685


 40, 96.747,
305.685


 70, 96.747,
305.685

 30, 96.747,
305.685


 80, 96.747,
305.685


 20, 96.747,
305.685

 90, 96.747,
305.685

 10, 96.747,
305.685

 0, 96.747, 305.685

 50, 96.747,
305.685

 50, 96.747,
305.685

44, 110.608,
306.690

57, 81.387,
304.563

39, 122.130,
307.361

64, 65.995,
303.434

35, 129.493,
307.495

72, 50.832,
302.375

34, 131.417,
307.459

80, 36.102,
301.420

87, 21.879,
300.575

95, 8.179, 299.835

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.



50, 96.747, 305.685



95, 81.040, 115.670

Rectangle

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



50, 96.747, 305.685



50, 96.747, 355.685



50, 96.747, 125.685



50, 96.747, 175.685

Sweetspot

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



50, 96.552, 305.692



84, 27.299, 300.887



81, 37.939, 231.395



43, 18.723, 301.126



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 96.552, 305.692



42, 114.229, 306.925



60, 95.663, 319.249



49, 7.611, 300.073



25, 105.654, 307.588



4, 44.633, 306.314

Inverse Universe

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



64, 82.880, 336.852



60, 91.706, 338.143



90, 92.442, 133.284



50, 7.675, 332.465



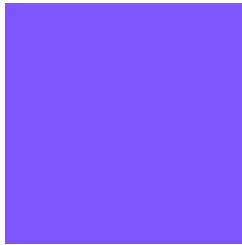
43, 77.525, 340.572



11, 36.412, 338.742

Previews

White Background



This preview shows how the CIELCh color 50, 96.747, 305.685 looks on a white background.

Color Contrast Check

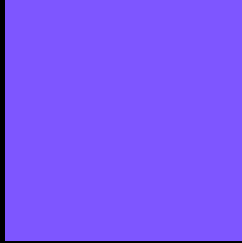
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 96.747, 305.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

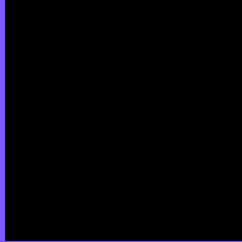
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 96.747, 305.685

Background



This preview shows how black text looks on a background with the CIELCh color 50, 96.747, 305.685.

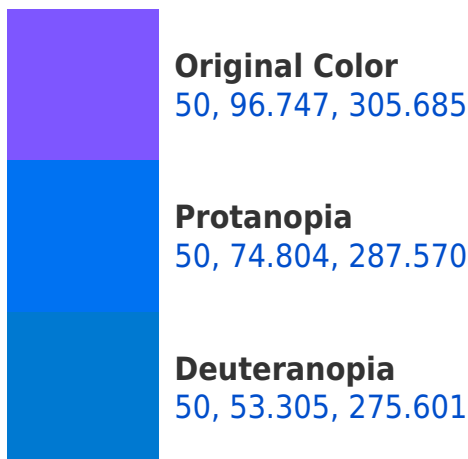


This preview shows how white text looks on a background with the CIELCh color 50, 96.747, 305.685.

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
50, 13.255, 224.685

Trichromacy



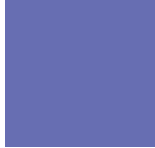
Original Color
50, 96.747, 305.685



Protanomaly
49, 83.333, 293.270



Deuteranomaly
48, 69.373, 289.004



Tritanomaly
49, 39.968, 292.151

Monochromacy



Original Color
50, 96.747, 305.685



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 36.967, 302.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 96.747, 305.685 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(126, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 86, 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(126, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 86, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 96.747, 305.685 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(126, 86, 255) }
```

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

```
.border{ border-color:rgb(126, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 86,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 96.747, 305.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 86, 255) }
```

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

```
.background{ background-color: rgb(126, 86,  
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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