

Converting Colors

CIELCh(48, 99.168, 306.878)

Have a look what the booklet for
CIELCh(48, 99.168, 306.878)
contains.

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Color

CIELCh(48, 99.102, 306.854)

Conversions

Conversions Part 1

Format	Color
Hex	7E4EFB
RGB	126, 78, 251
RGB Percent	49%, 31%, 98%
CMY	0.5067, 0.6948, 0.0165
CMYK	0.50, 0.69, 0.00, 0.02
HSL	257°, 95%, 64%
HSV	257°, 69%, 98%
XYZ	28.6638, 16.7945, 92.8282
YIQ	112.0740, -26.9250, 63.9790

Conversions

Conversions Part 2

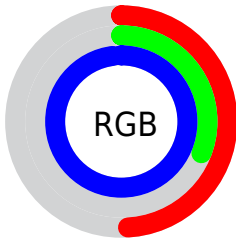
Format	Color
R _Y B	126, 78, 251
Decimal	8277755
CIE Lab	48.00, 59.44, -79.30
CIE LCh	48, 99.102, 306.854
Yxy	16.7945, 0.2073, 0.1214
Android (android.graphics.Color)	4286467835 (0xFF7E4EFB)
YUV	112.0740, 68.4905, 12.2131
Hunter-Lab	40.9810, 53.1334, -105.6140

Details

The CIELCh color **48, 99.102, 306.854** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle washed purple. A complement of this color would be **93, 83.236, 117.418**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.118, 310.233**, and **28, 99.054, 306.851** is the 20% darker color. If you saturate the color by 10%, you get **42, 112.195, 307.626**, and if you desaturate by 10%, it is **55, 84.528, 305.895**.

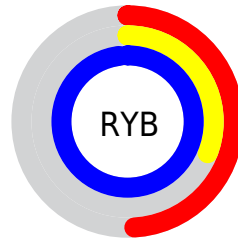
Distribution



Red (49%)

Green (31%)

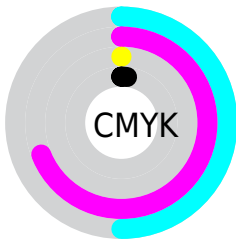
Blue (98%)



Red (49%)

Yellow (31%)

Blue (98%)

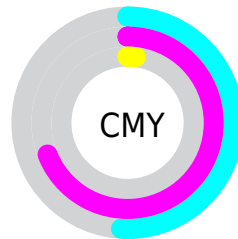


Cyan (50%)

Magenta (69%)

Yellow (0%)

Black (2%)



Cyan (51%)

Magenta (69%)

Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 99.102, 306.854 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 48, 99.102, 306.854 by changing the saturation by 10% instead.


 48, 99.102,
306.854


 48, 99.102,
306.854


 100, 99.102,
306.854


 38, 99.102,
306.854

 68, 99.102,
306.854


 28, 99.102,
306.854

 78, 99.102,
306.854

 18, 99.102,
306.854


 88, 99.102,
306.854

 8, 99.102, 306.854

 98, 99.102,
306.854

 0, 99.102, 306.854

 48, 99.102,

 48, 99.102,

306.854

42, 112.195,
307.626

38, 122.367,
308.018

35, 128.477,
307.900

34, 128.995,
307.885

306.854

55, 84.528,
305.895

62, 69.464,
304.887

69, 54.465,
303.913

77, 39.805,
303.016

84, 25.601,
302.211

92, 11.890,
301.500

99, 1.327, 120.922

100, 2.121,
109.983

Harmonies

Complementary

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



48, 99.102, 306.854



93, 83.236, 117.418

Rectangle

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



48, 99.102, 306.854



48, 99.102, 356.854



48, 99.102, 126.854



48, 99.102, 176.854

Sweetspot

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



48, 99.102, 306.855



84, 28.832, 302.368



77, 38.751, 237.838



42, 19.612, 302.586



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 99.102, 306.855



41, 118.293, 307.845



58, 97.609, 320.308



48, 7.520, 301.535



25, 103.961, 308.031



4, 42.772, 306.687

Inverse Universe

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



62, 81.959, 339.085



59, 91.065, 340.849



89, 95.145, 133.969



49, 7.338, 333.992



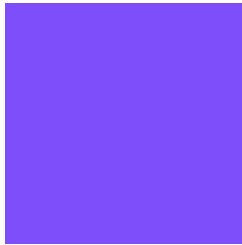
42, 74.688, 343.272



10, 34.615, 340.873

Previews

White Background



This preview shows how the CIELCh color 48, 99.102, 306.854 looks on a white background.

Color Contrast Check

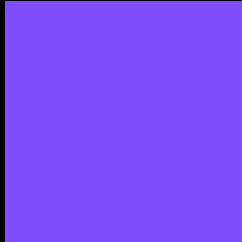
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 99.102, 306.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

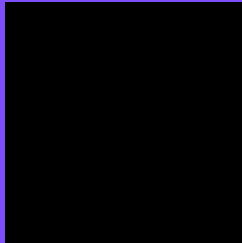
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 99.102, 306.854

Background



This preview shows how black text looks on a background with the CIELCh color 48, 99.102, 306.854.

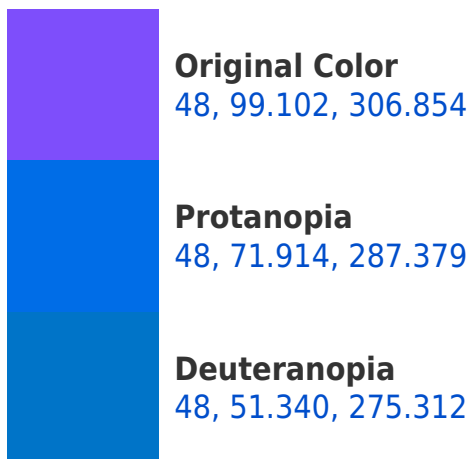



This preview shows how white text looks on a background with the CIELCh color 48, 99.102, 306.854.

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
48, 11.356, 226.500

Trichromacy



Original Color
48, 99.102, 306.854



Protanomaly
46, 82.215, 293.969



Deuteranomaly
46, 68.692, 289.932



Tritanomaly
46, 40.930, 295.470

Monochromacy



Original Color
48, 99.102, 306.854



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 37.375, 303.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 99.102, 306.854 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, 78, 251)` looks like.

```
.text, #text, p{  
    color:rgb(126, 78, 251)  
}
```

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, 78, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 78, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 99.102, 306.854 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, 78, 251) }
```

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

```
.border{ border-color:rgb(126, 78, 251) }
```

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

Here you see how a box with a 4 pixel rgb(126, 78, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 78, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 78, 251);  
box-shadow:4px 4px 4px 4px rgb(126, 78,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 99.102, 306.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 78, 251) }
```

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

```
.background{ background-color: rgb(126, 78,  
251) }
```

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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