

Converting Colors

CIELCh(48, 85.738, 305.475)

Have a look what the booklet for
CIELCh(48, 85.738, 305.475)
contains.

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Color

CIELCh(48, 85.985, 305.472)

Conversions

Conversions Part 1

Format	Color
Hex	7A56EA
RGB	122, 86, 234
RGB Percent	48%, 34%, 92%
CMY	0.5206, 0.6620, 0.0815
CMYK	0.48, 0.63, 0.00, 0.08
HSL	255°, 78%, 63%
HSV	255°, 63%, 92%
XYZ	26.2857, 16.7945, 79.8675
YIQ	113.6360, -26.0520, 53.6600

Conversions

Conversions Part 2

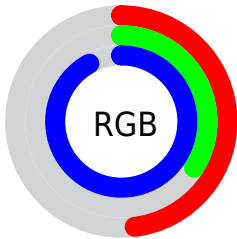
Format	Color
RYB	122, 86, 234
Decimal	8017642
CIELab	48.00, 49.90, -70.03
CIELCh	48, 85.985, 305.472
Yxy	16.7945, 0.2138, 0.1366
Android (android.graphics.Color)	4286207722 (0xFF7A56EA)
YUV	113.6360, 59.3395, 7.3352
Hunter-Lab	40.9810, 42.7752, -86.8628

Details

The CIELCh color **48, 85.985, 305.472** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **88, 73.073, 116.020**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.006, 307.315**, and **28, 85.916, 305.466** is the 20% darker color. If you saturate the color by 10%, you get **42, 99.534, 306.504**, and if you desaturate by 10%, it is **55, 71.715, 304.359**.

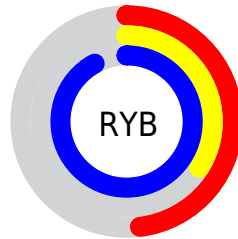
Distribution



Red (48%)

Green (34%)

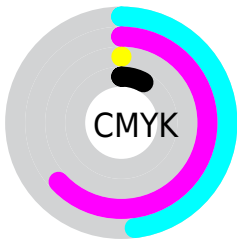
Blue (92%)



Red (48%)

Yellow (34%)

Blue (92%)

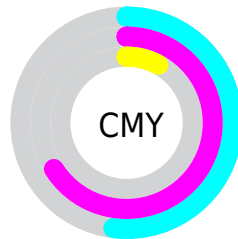


Cyan (48%)

Magenta (63%)

Yellow (0%)

Black (8%)



Cyan (52%)


Magenta (66%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 85.985, 305.472 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, 85.985, 305.472 by changing the saturation by 10% instead.

 48, 85.985,
305.472


 48, 85.985,
305.472


 100, 85.985,
305.472

 38, 85.985,
305.472

 68, 85.985,
305.472

 28, 85.985,
305.472

 78, 85.985,
305.472

 18, 85.985,
305.472

 88, 85.985,
305.472

 8, 85.985, 305.472

 98, 85.985,
305.472

 0, 85.985, 305.472

 48, 85.985,

 48, 85.985,

305.472

42, 99.534,
306.504

37, 111.212,
307.280

33, 119.507,
307.590

31, 123.071,
307.551

305.472

55, 71.715,
304.359

62, 57.394,
303.270

69, 43.357,
302.261

76, 29.747,
301.355

83, 16.614,
300.556

90, 3.961, 299.855

98, 8.228, 119.265

100, 10.516,
109.382

Harmonies

Complementary

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



48, 85.985, 305.472



88, 73.073, 116.020

Rectangle

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



48, 85.985, 305.472



48, 85.985, 355.472



48, 85.985, 125.472



48, 85.985, 175.472

Sweetspot

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



48, 85.985, 305.473



85, 25.900, 301.014



76, 34.512, 230.604



43, 17.921, 301.250



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, 85.985, 305.473



44, 110.356, 306.786



56, 86.056, 319.203



45, 7.111, 300.285



23, 101.303, 307.678



3, 36.400, 303.553

Inverse Universe

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



60, 74.706, 336.828



61, 89.717, 338.125



84, 83.181, 133.418



46, 7.137, 332.680



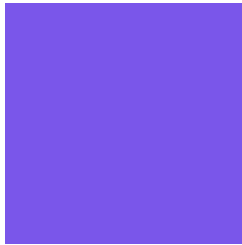
41, 74.167, 340.900



8, 32.585, 338.622

Previews

White Background



This preview shows how the CIELCh color 48, 85.985, 305.472 looks on a white background.

Color Contrast Check

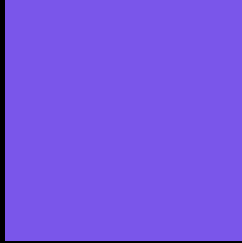
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.985, 305.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

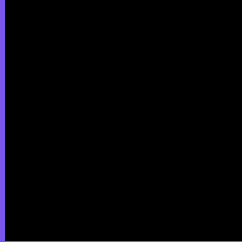
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 85.985, 305.472

Background



This preview shows how black text looks on a background with the CIELCh color 48, 85.985, 305.472.

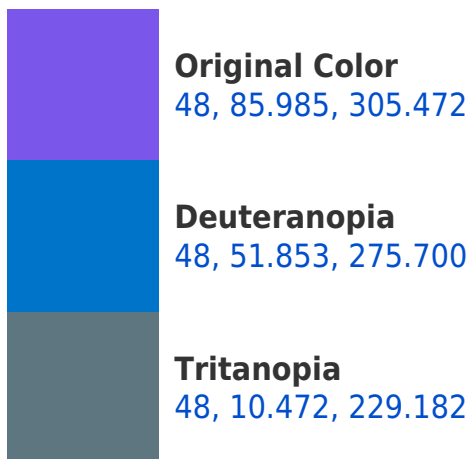


This preview shows how white text looks on a background with the CIELCh color 48, 85.985, 305.472.

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



Trichromacy



Original Color
48, 85.985, 305.472

Deuteranomaly
46, 64.092, 287.631

Tritanomaly
47, 35.518, 293.756

Monochromacy



Original Color
48, 85.985, 305.472

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.397, 302.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 85.985, 305.472 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(122, 86, 234)` looks like.

```
.text, #text, p{  
    color:rgb(122, 86, 234)  
}
```

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(122, 86, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 86, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 85.985, 305.472 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(122, 86, 234) }
```

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

```
.border{ border-color:rgb(122, 86, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 86, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 86, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 86, 234);  
box-shadow:4px 4px 4px 4px rgb(122, 86,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 85.985, 305.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 86, 234) }
```

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

```
.background{ background-color: rgb(122, 86,  
234) }
```

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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