

Converting Colors

CIELCh(70, 49.262, 305.331)

Have a look what the booklet for
CIELCh(70, 49.262, 305.331)
contains.

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Color

CIELCh(70, 49.262, 305.331)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B99CF4 |
| RGB | 185, 156, 244 |
| RGB Percent | 73%, 61%, 96% |
| CMY | 0.2735, 0.3873, 0.0421 |
| CMYK | 0.24, 0.36, 0.00, 0.04 |
| HSL | 260°, 80%, 79% |
| HSV | 260°, 36%, 96% |
| XYZ | 48.3646, 40.7494, 91.1092 |
| YIQ | 174.7030, -10.9640, 33.5160 |

Conversions

Conversions Part 2

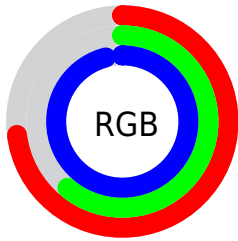
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 185, 156, 244 |
| Decimal | 12164340 |
| CIE Lab | 70.00, 28.49, -40.19 |
| CIE LCh | 70, 49.262, 305.331 |
| Yxy | 40.7494, 0.2684, 0.2261 |
| Android (android.graphics.Color) | 4290354420 (0xFFB99CF4) |
| YUV | 174.7030, 34.1634, 9.0305 |
| Hunter-Lab | 63.8353, 23.5283, -39.9373 |

Details

The CIELCh color **70, 49.262, 305.331** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **92, 45.837, 120.896**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 25.436, 316.609**, and **50, 49.327, 305.457** is the 20% darker color. If you saturate the color by 10%, you get **63, 63.816, 306.164**, and if you desaturate by 10%, it is **77, 35.021, 304.559**.

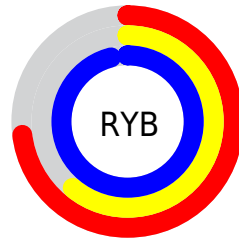
Distribution



Red (73%)

Green (61%)

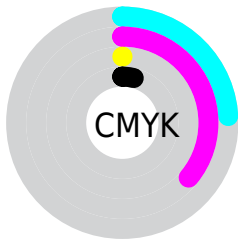
Blue (96%)



Red (73%)

Yellow (61%)

Blue (96%)

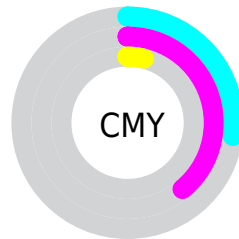


Cyan (24%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (39%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 49.262, 305.331 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 70, 49.262, 305.331 by changing the saturation by 10% instead.


 70, 49.262,
305.331


 70, 49.262,
305.331


 100, 49.262,
305.331


 60, 49.262,
305.331


 90, 49.262,
305.331

 50, 49.262,
305.331

 40, 49.262,
305.331

 30, 49.262,
305.331

 20, 49.262,
305.331

 10, 49.262,
305.331

 0, 49.262, 305.331

70, 49.262,
305.331

70, 49.262,
305.331

63, 63.816,
306.164

77, 35.021,
304.559

56, 78.452,
307.021

85, 21.204,
303.861

49, 92.707,
307.837

92, 7.847, 303.237

44, 105.767,
308.497

99, 5.047, 122.718

100, 5.435,
109.757

39, 116.417,
308.842

36, 123.348,
308.700

35, 125.301,
308.566

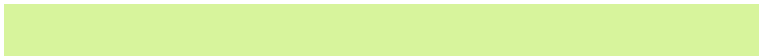
Harmonies

Complementary

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



70, 49.262, 305.331



92, 45.837, 120.896

Rectangle

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



70, 49.262, 305.331



70, 49.262, 355.331



70, 49.262, 125.331



70, 49.262, 175.331

Sweetspot

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



70, 49.260, 305.331



92, 14.934, 303.540



83, 23.321, 237.837



48, 10.058, 303.625



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 49.260, 305.331



68, 61.492, 305.914



74, 53.047, 320.921



47, 7.445, 303.445



25, 101.980, 308.727



4, 40.948, 307.468

Inverse Universe

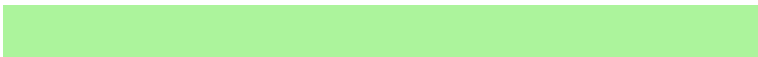
The Inverse Universe completely reimagines the original color for something new.



75, 44.248, 338.308



74, 54.301, 338.962



90, 52.298, 137.272



48, 6.950, 336.146



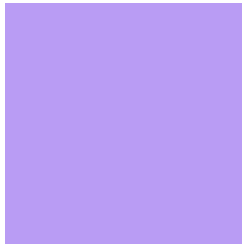
41, 71.549, 347.140



10, 32.688, 343.879

Previews

White Background



This preview shows how the CIELCh color 70, 49.262, 305.331 looks on a white background.

Color Contrast Check

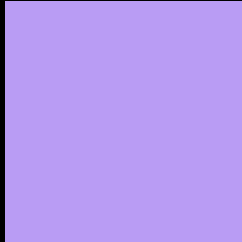
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 49.262, 305.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

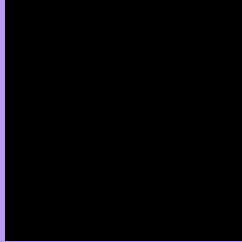
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.262, 305.331

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.262, 305.331.



This preview shows how white text looks on a background with the CIELCh color 70, 49.262, 305.331.

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



Original Color


70, 49.262, 305.331

Protanopia

70, 47.304, 285.695

Deuteranopia

70, 40.258, 284.247



Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 49.262, 305.331

Protanomaly
70, 47.089, 292.505

Deuteranomaly
70, 43.295, 292.726

Tritanomaly
70, 23.126, 304.529

Monochromacy



Original Color
70, 49.262, 305.331

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.016, 304.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.262, 305.331 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(185, 156, 244)` looks like.

```
.text, #text, p{  
    color:rgb(185, 156, 244)  
}
```

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(185, 156, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 156, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.262, 305.331 is called "border". The border property can be set on classes, ids or directly on the HTML element.

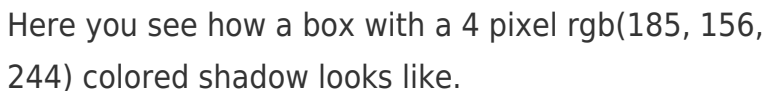
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 156, 244) }
```

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

```
.border{ border-color:rgb(185, 156, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 156, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 156, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 156, 244);  
box-shadow:4px 4px 4px 4px rgb(185, 156,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.262, 305.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 156, 244) }
```

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

```
.background{ background-color: rgb(185,  
156, 244) }
```

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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