

Converting Colors

CIELCh(70, 47.904, 315.880)

Have a look what the booklet for
CIELCh(70, 47.904, 315.880)
contains.

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Color

CIELCh(70, 47.752, 315.786)

Conversions

Conversions Part 1

Format	Color
Hex	CC97E8
RGB	204, 151, 232
RGB Percent	80%, 59%, 91%
CMY	0.2004, 0.4082, 0.0906
CMYK	0.12, 0.35, 0.00, 0.09
HSL	279°, 64%, 75%
HSV	279°, 35%, 91%
XYZ	50.4802, 40.7494, 81.4779
YIQ	176.0810, 5.5870, 36.4270

Conversions

Conversions Part 2

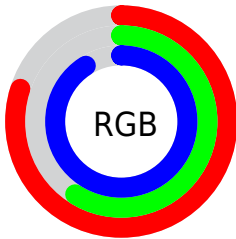
Format	Color
RYB	204, 151, 232
Decimal	13408232
CIELab	70.00, 34.23, -33.30
CIELCh	70, 47.752, 315.786
Yxy	40.7494, 0.2923, 0.2359
Android (android.graphics.Color)	4291598312 (0xFFCC97E8)
YUV	176.0810, 27.5681, 24.4850
Hunter-Lab	63.8353, 29.4441, -30.9918

Details

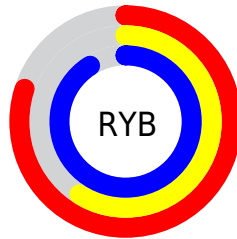
The CIELCh color $70, 47.752, 315.786$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 46.275, 132.609$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 30.725, 325.494$, and $50, 47.856, 315.972$ is the 20% darker color. If you saturate the color by 10%, you get $64, 61.530, 316.207$, and if you desaturate by 10%, it is $76, 33.855, 315.340$.

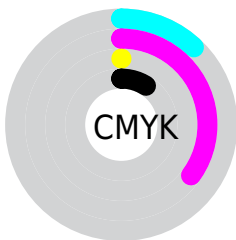
Distribution



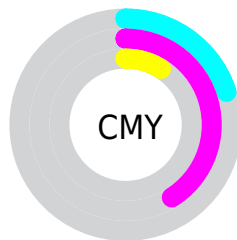
- Red (80%)
- Green (59%)
- Blue (91%)



- Red (80%)
- Yellow (59%)
- Blue (91%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.752, 315.786 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, 47.752, 315.786 by changing the saturation by 10% instead.


 70, 47.752,
315.786


 70, 47.752,
315.786


 100, 47.752,
315.786


 60, 47.752,
315.786


 90, 47.752,
315.786

 50, 47.752,
315.786

 40, 47.752,
315.786

 30, 47.752,
315.786

 20, 47.752,
315.786

 10, 47.752,
315.786

 0, 47.752, 315.786

70, 47.752,
315.786

70, 47.752,
315.786

64, 61.530,
316.207

76, 33.855,
315.340

59, 74.832,
316.567

82, 20.077,
314.891

53, 87.125,
316.813

89, 6.552, 314.444

49, 97.710,
316.879

95, 6.644, 134.098

45, 105.818,
316.687

99, 12.392,
127.848

43, 110.868,
316.167

99, 11.751,
114.559

42, 112.544,
315.813

99, 11.689,
109.294

Harmonies

Complementary

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



70, 47.752, 315.786



87, 46.275, 132.609

Rectangle

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



70, 47.752, 315.786



70, 47.752, 5.786



70, 47.752, 135.786



70, 47.752, 185.786

Sweetspot

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



70, 47.750, 315.786



93, 14.451, 314.675



73, 29.590, 275.482



49, 9.875, 314.738



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, 47.750, 315.786



72, 62.136, 316.098



72, 46.494, 330.994



45, 7.530, 314.649



32, 92.418, 315.987



5, 36.520, 316.521

Inverse Universe

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



71, 34.197, 356.828



73, 44.569, 357.983



85, 46.422, 146.131



45, 5.322, 353.705



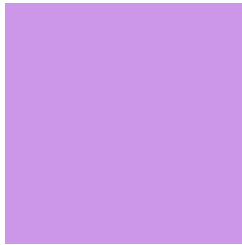
38, 65.794, 16.729



7, 26.731, 5.821

Previews

White Background



This preview shows how the CIELCh color 70, 47.752, 315.786 looks on a white background.

Color Contrast Check

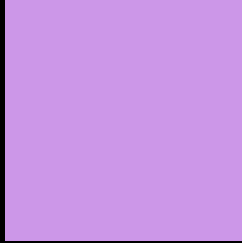
Large Text (above 18pt) WCAG AA × Fail

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, 47.752, 315.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

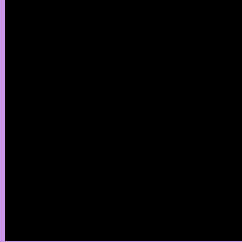
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 47.752, 315.786

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.752, 315.786.




This preview shows how white text looks on a background with the CIELCh color 70, 47.752, 315.786.

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
70, 14.440, 351.365

Trichromacy



Original Color
70, 47.752, 315.786



Protanomaly
70, 43.430, 296.768



Deuteranomaly
70, 37.046, 299.221



Tritanomaly
70, 25.433, 326.928

Monochromacy



Original Color
70, 47.752, 315.786



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 17.361, 314.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.752, 315.786 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(204, 151, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 151, 232)  
}
```

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(204, 151, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 151, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.752, 315.786 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(204, 151, 232) }
```

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

```
.border{ border-color:rgb(204, 151, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 151, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 151, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 151, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 151,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.752, 315.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 151, 232) }
```

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

```
.background{ background-color: rgb(204,  
151, 232) }
```

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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