

Converting Colors

CIELCh(70, 47.689, 313.513)

Have a look what the booklet for
CIELCh(70, 47.689, 313.513)
contains.

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Color

CIELCh(70, 47.706, 313.581)

Conversions

Conversions Part 1

Format	Color
Hex	C898EA
RGB	200, 152, 234
RGB Percent	78%, 60%, 92%
CMY	0.2151, 0.4034, 0.0818
CMYK	0.15, 0.35, 0.00, 0.08
HSL	275°, 66%, 76%
HSV	275°, 35%, 92%
XYZ	49.9814, 40.7494, 83.1844
YIQ	175.7000, 2.2860, 35.6780

Conversions

Conversions Part 2

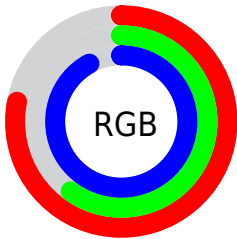
Format	Color
R _Y B	200, 152, 234
Decimal	13146346
CIE Lab	70.00, 32.89, -34.56
CIE LCh	70, 47.706, 313.581
Yxy	40.7494, 0.2874, 0.2343
Android (android.graphics.Color)	4291336426 (0xFFC898EA)
YUV	175.7000, 28.7419, 21.3111
Hunter-Lab	63.8353, 28.0492, -32.5767

Details

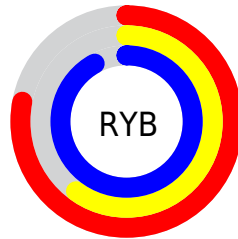
The CIELCh color $70, 47.706, 313.581$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88, 45.847, 130.370$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 30.096, 325.472$, and $50, 47.906, 313.687$ is the 20% darker color. If you saturate the color by 10%, you get $64, 61.606, 314.044$, and if you desaturate by 10%, it is $76, 33.787, 313.104$.

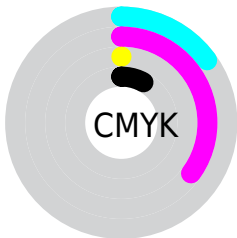
Distribution



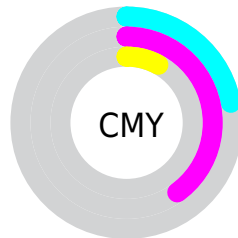
- Red (78%)
- Green (60%)
- Blue (92%)



- Red (78%)
- Yellow (60%)
- Blue (92%)



- Cyan (15%)
- Magenta (35%)
- Yellow (0%)
- Black (8%)





- Cyan (22%)
- Magenta (40%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.706, 313.581 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, 47.706, 313.581 by changing the saturation by 10% instead.


 70, 47.706,
313.581


 70, 47.706,
313.581


 100, 47.706,
313.581


 60, 47.706,
313.581


 90, 47.706,
313.581

 50, 47.706,
313.581

 40, 47.706,
313.581

 30, 47.706,
313.581

 20, 47.706,
313.581

 10, 47.706,
313.581

 0, 47.706, 313.581

70, 47.706,
313.581

70, 47.706,
313.581

64, 61.606,
314.044

76, 33.787,
313.104

58, 75.160,
314.456

83, 20.056,
312.636

53, 87.850,
314.761

89, 6.625, 312.180

48, 98.957,
314.881

96, 6.448, 131.823

44, 107.633,
314.725

99, 10.824,
121.444

41, 113.168,
314.203

100, 10.555,
109.379

40, 115.016,
313.846

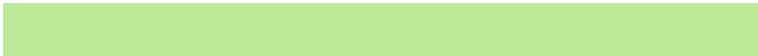
Harmonies

Complementary

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



70, 47.706, 313.581



88, 45.847, 130.370

Rectangle

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



70, 47.706, 313.581



70, 47.706, 3.581



70, 47.706, 133.581



70, 47.706, 183.581

Sweetspot

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



70, 47.704, 313.581



92, 15.659, 312.454



75, 27.539, 269.745



48, 10.539, 312.516



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, 47.704, 313.581



71, 61.538, 313.917



73, 49.171, 328.793



46, 7.543, 312.383



30, 94.729, 314.029



5, 38.087, 314.496

Inverse Universe

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



72, 35.665, 352.265



74, 45.845, 353.306



86, 49.186, 144.128



46, 5.641, 349.329



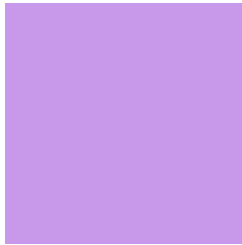
38, 65.428, 10.169



8, 28.019, 1.796

Previews

White Background



This preview shows how the CIELCh color 70, 47.706, 313.581 looks on a white background.

Color Contrast Check

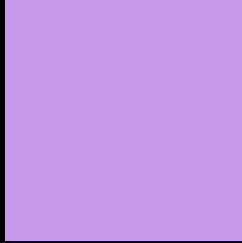
Large Text (above 18pt) WCAG AA × Fail

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, 47.706, 313.581 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, 47.706, 313.581

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.706, 313.581.

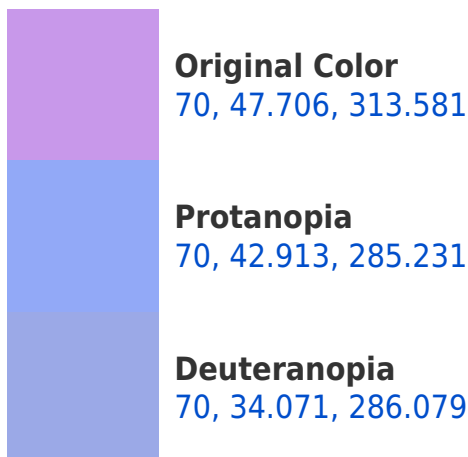


This preview shows how white text looks on a background with the CIELCh color 70, 47.706, 313.581.

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, 12.464, 345.851

Trichromacy



Original Color
70, 47.706, 313.581



Protanomaly
70, 43.352, 295.536



Deuteranomaly
70, 38.010, 297.669



Tritanomaly
70, 24.244, 322.480

Monochromacy



Original Color
70, 47.706, 313.581



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 17.725, 313.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.706, 313.581 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(200, 152, 234)` looks like.

```
.text, #text, p{  
    color:rgb(200, 152, 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(200, 152, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 152, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.706, 313.581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

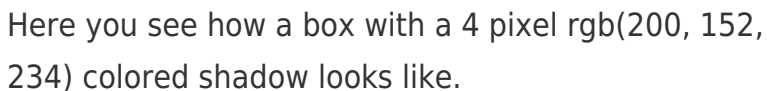
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 152, 234) }
```

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

```
.border{ border-color:rgb(200, 152, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(200, 152, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 152, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 152, 234);  
box-shadow:4px 4px 4px 4px rgb(200, 152,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.706, 313.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 152, 234) }
```

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

```
.background{ background-color: rgb(200,  
152, 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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