

Converting Colors

CIELCh(70, 46.863, 314.451)

Have a look what the booklet for
CIELCh(70, 46.863, 314.451)
contains.

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Color

CIELCh(70, 46.809, 314.428)

Conversions

Conversions Part 1

Format	Color
Hex	C998E8
RGB	201, 152, 232
RGB Percent	79%, 60%, 91%
CMY	0.2114, 0.4035, 0.0898
CMYK	0.13, 0.34, 0.00, 0.09
HSL	277°, 64%, 75%
HSV	277°, 34%, 91%
XYZ	49.9366, 40.7494, 81.6509
YIQ	175.7710, 3.5240, 35.2680

Conversions

Conversions Part 2

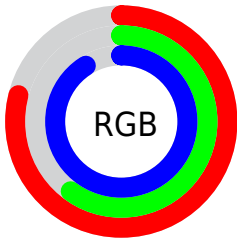
Format	Color
RYB	201, 152, 232
Decimal	13211880
CIELab	70.00, 32.77, -33.43
CIELCh	70, 46.809, 314.428
Yxy	40.7494, 0.2898, 0.2365
Android (android.graphics.Color)	4291401960 (0xFFC998E8)
YUV	175.7710, 27.7209, 22.1258
Hunter-Lab	63.8353, 27.9239, -31.1524

Details

The CIELCh color `70, 46.809, 314.428` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `87, 45.160, 131.294`, 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, 46.940, 314.555` is the 20% darker color. If you saturate the color by 10%, you get `64, 60.613, 314.874`, and if you desaturate by 10%, it is `76, 32.961, 313.965`.

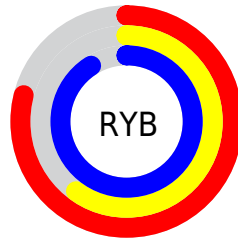
Distribution



Red (79%)

Green (60%)

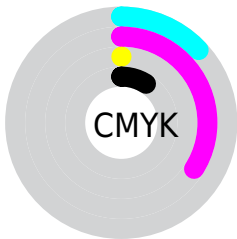
Blue (91%)



Red (79%)

Yellow (60%)

Blue (91%)

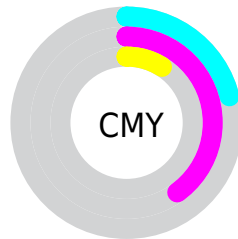


Cyan (13%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (21%)


Magenta (40%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.809, 314.428 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, 46.809, 314.428 by changing the saturation by 10% instead.


 70, 46.809,
314.428


 70, 46.809,
314.428


 100, 46.809,
314.428


 60, 46.809,
314.428


 90, 46.809,
314.428

 50, 46.809,
314.428

 40, 46.809,
314.428

 30, 46.809,
314.428

 20, 46.809,
314.428

 10, 46.809,
314.428

 0, 46.809, 314.428

70, 46.809,
314.428

70, 46.809,
314.428

64, 60.613,
314.874

76, 32.961,
313.965

58, 74.044,
315.266

83, 19.281,
313.507

53, 86.591,
315.551

89, 5.887, 313.055

48, 97.553,
315.658

96, 7.161, 132.707

44, 106.119,
315.498

99, 12.070,
124.698

42, 111.616,
314.992

99, 11.591,
109.301

41, 113.592,
314.598

Harmonies

Complementary

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



70, 46.809, 314.428



87, 45.160, 131.294

Rectangle

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



70, 46.809, 314.428



70, 46.809, 4.428



70, 46.809, 134.428



70, 46.809, 184.428

Sweetspot

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



70, 46.807, 314.428



93, 14.307, 313.309



74, 27.459, 271.146



49, 9.777, 313.372



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, 46.807, 314.428



72, 60.278, 314.732



73, 47.530, 329.290



46, 7.591, 313.283



31, 94.195, 314.771



5, 38.201, 315.413

Inverse Universe

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



72, 34.390, 353.950



74, 44.227, 354.952



86, 47.522, 144.666



46, 5.550, 351.010



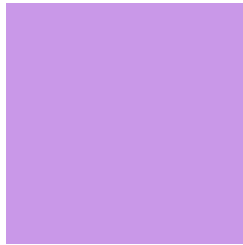
38, 65.729, 12.798



7, 27.917, 3.752

Previews

White Background



This preview shows how the CIELCh color 70, 46.809, 314.428 looks on a white background.

Color Contrast Check

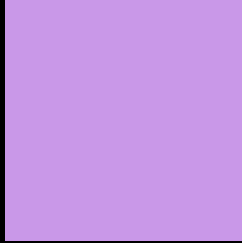
Large Text (above 18pt) WCAG AA × Fail

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, 46.809, 314.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

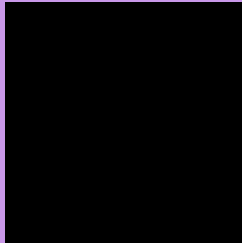
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 46.809, 314.428

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.809, 314.428.

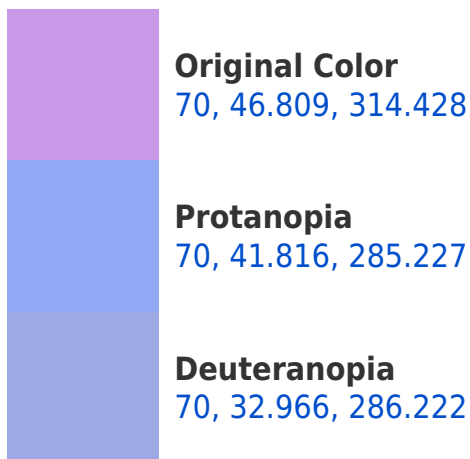


This preview shows how white text looks on a background with the CIELCh color 70, 46.809, 314.428.

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, 13.112, 347.859

Trichromacy



Original Color
70, 46.809, 314.428



Protanomaly
70, 42.279, 295.897



Deuteranomaly
70, 36.951, 298.207



Tritanomaly
70, 24.182, 324.705

Monochromacy



Original Color
70, 46.809, 314.428



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 17.222, 313.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.809, 314.428 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(201, 152, 232)` looks like.

```
.text, #text, p{  
    color:rgb(201, 152, 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(201, 152, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 152, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.809, 314.428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

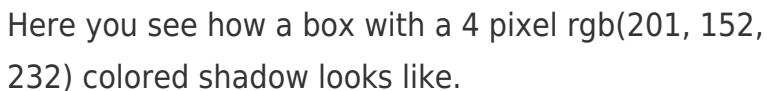
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 152, 232) }
```

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

```
.border{ border-color:rgb(201, 152, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 152, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 152, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 152, 232);  
box-shadow:4px 4px 4px 4px rgb(201, 152,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.809, 314.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 152, 232) }
```

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

```
.background{ background-color: rgb(201,  
152, 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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