

Converting Colors

CIELCh(70, 53.014, 312.494)

Have a look what the booklet for
CIELCh(70, 53.014, 312.494)
contains.

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Color

CIELCh(70, 53.048, 312.730)

Conversions

Conversions Part 1

Format	Color
Hex	C996F2
RGB	201, 150, 242
RGB Percent	79%, 59%, 95%
CMY	0.2109, 0.4110, 0.0501
CMYK	0.17, 0.38, 0.00, 0.05
HSL	273°, 78%, 77%
HSV	273°, 38%, 95%
XYZ	51.1450, 40.7494, 89.3481
YIQ	175.7370, 0.8640, 39.4240

Conversions

Conversions Part 2

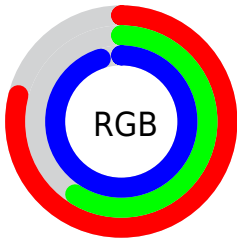
Format	Color
R _Y B	201, 150, 242
Decimal	13211378
CIE Lab	70.00, 36.00, -38.97
CIE LCh	70, 53.048, 312.730
Yxy	40.7494, 0.2822, 0.2248
Android (android.graphics.Color)	4291401458 (0xFFC996F2)
YUV	175.7370, 32.6677, 22.1557
Hunter-Lab	63.8353, 31.3030, -38.3015

Details

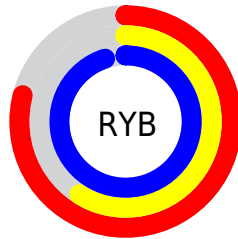
The CIELCh color **70, 53.048, 312.730** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90, 50.582, 129.175**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 31.354, 325.516**, and **50, 52.888, 312.687** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.300, 313.212**, and if you desaturate by 10%, it is **77, 38.741, 312.231**.

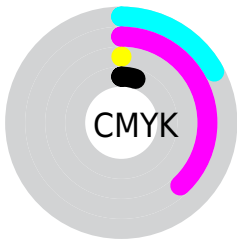
Distribution



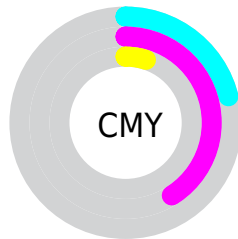
- Red (79%)
- Green (59%)
- Blue (95%)



- Red (79%)
- Yellow (59%)
- Blue (95%)



- Cyan (17%)
- Magenta (38%)
- Yellow (0%)
- Black (5%)





- Cyan (21%)
- Magenta (41%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 53.048, 312.730 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, 53.048, 312.730 by changing the saturation by 10% instead.


 70, 53.048,
312.730


 70, 53.048,
312.730


 100, 53.048,
312.730


 60, 53.048,
312.730


 90, 53.048,
312.730

 50, 53.048,
312.730

 40, 53.048,
312.730

 30, 53.048,
312.730

 20, 53.048,
312.730

 10, 53.048,
312.730

 0, 53.048, 312.730

70, 53.048,
312.730

70, 53.048,
312.730

64, 67.300,
313.212

77, 38.741,
312.231

58, 81.121,
313.633

83, 24.613,
311.742

52, 93.923,
313.929

90, 10.789,
311.274

47, 104.894,
314.011

97, 2.665, 130.924

44, 113.119,
313.778

100, 6.467,
109.682

41, 118.025,
313.156

40, 118.816,
313.015

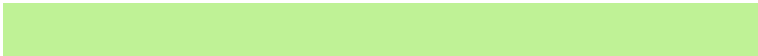
Harmonies

Complementary

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



70, 53.048, 312.730



90, 50.582, 129.175

Rectangle

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



70, 53.048, 312.730



70, 53.048, 2.730



70, 53.048, 132.730



70, 53.048, 182.730

Sweetspot

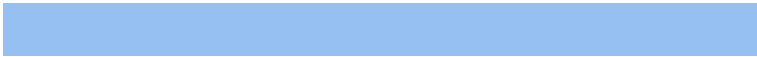
The Sweet Spot groups the original color and five complimentary colors.



70, 53.046, 312.730



92, 15.552, 311.415



76, 29.490, 267.207



48, 10.468, 311.478



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, 53.046, 312.730



68, 67.233, 313.125



74, 55.901, 327.937



47, 7.625, 311.343



30, 96.360, 313.211



5, 39.826, 313.810

Inverse Universe

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



73, 40.406, 350.716



72, 50.822, 351.916



88, 55.986, 142.896



47, 5.854, 347.479



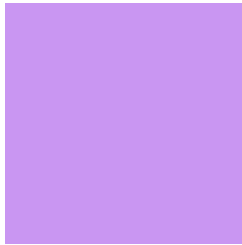
39, 65.967, 7.213



8, 29.035, 359.849

Previews

White Background



This preview shows how the CIELCh color 70, 53.048, 312.730 looks on a white background.

Color Contrast Check

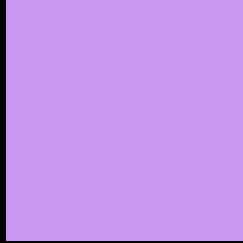
Large Text (above 18pt) WCAG AA × Fail

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, 53.048, 312.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

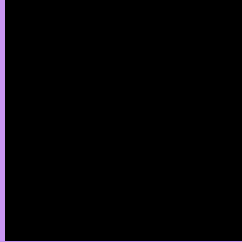
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 53.048, 312.730

Background



This preview shows how black text looks on a background with the CIELCh color 70, 53.048, 312.730.



This preview shows how white text looks on a background with the CIELCh color 70, 53.048, 312.730.

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, 53.048, 312.730



Protanomaly
70, 48.257, 295.468



Deuteranomaly
70, 42.889, 296.760



Tritanomaly
70, 26.467, 321.453

Monochromacy



Original Color
70, 53.048, 312.730



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 19.249, 311.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 53.048, 312.730 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, 150, 242)` looks like.

```
.text, #text, p{  
    color:rgb(201, 150, 242)  
}
```

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, 150, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 150, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 53.048, 312.730 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, 150, 242) }
```

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

```
.border{ border-color:rgb(201, 150, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 150, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 150, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 150, 242);  
box-shadow:4px 4px 4px 4px rgb(201, 150,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 53.048, 312.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 150, 242) }
```

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

```
.background{ background-color: rgb(201,  
150, 242) }
```

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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