

Converting Colors

CIELCh(72, 85.388, 316.266)

Have a look what the booklet for
CIELCh(72, 85.388, 316.266)
contains.

CIELCh(70, 71.688, 321.162)	3
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Color

CIELCh(70, 71.688, 321.162)

Conversions

Conversions Part 1

Format	Color
Hex	E785FE
RGB	231, 133, 254
RGB Percent	91%, 52%, 100%
CMY	0.0957, 0.4796, 0.0054
CMYK	0.09, 0.48, 0.00, 0.01
HSL	289°, 98%, 76%
HSV	289°, 48%, 99%
XYZ	59.0030, 40.7494, 98.2004
YIQ	176.0960, 19.5670, 58.4070

Conversions

Conversions Part 2

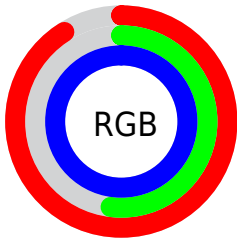
Format	Color
R _Y B	231, 133, 254
Decimal	15173118
CIE Lab	70.00, 55.84, -44.96
CIE LCh	70, 71.688, 321.162
Yxy	40.7494, 0.2981, 0.2059
Android (android.graphics.Color)	4293363198 (0xFFE785FE)
YUV	176.0960, 38.4067, 48.1508
Hunter-Lab	63.8353, 53.2760, -46.5235

Details

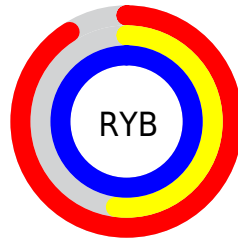
The CIELCh color **70, 71.688, 321.162** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 70.433, 136.268**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 41.380, 325.860**, and **50, 71.838, 321.091** is the 20% darker color. If you saturate the color by 10%, you get **65, 85.278, 321.465**, and if you desaturate by 10%, it is **76, 57.063, 320.777**.

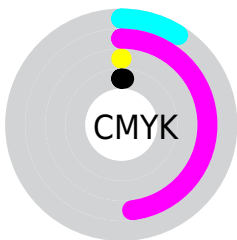
Distribution



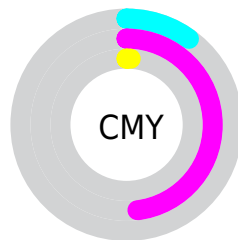
- Red (91%)
- Green (52%)
- Blue (100%)



- Red (91%)
- Yellow (52%)
- Blue (100%)



- Cyan (9%)
- Magenta (48%)
- Yellow (0%)
- Black (1%)





- Cyan (10%)
- Magenta (48%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 71.688, 321.162 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, 71.688, 321.162 by changing the saturation by 10% instead.


 70, 71.688,
321.162


 70, 71.688,
321.162


 100, 71.688,
321.162


 60, 71.688,
321.162


 90, 71.688,
321.162

 50, 71.688,
321.162

 40, 71.688,
321.162

 30, 71.688,
321.162

 20, 71.688,
321.162

 10, 71.688,
321.162

 0, 71.688, 321.162

70, 71.688,
321.162

70, 71.688,
321.162

65, 85.278,
321.465

76, 57.063,
320.777

60, 97.186,
321.646

82, 41.928,
320.345

57, 106.699,
321.659

88, 26.650,
319.889

54, 113.229,
321.460

94, 11.479,
319.421

52, 116.630,
321.031

100, 0.697,
117.470

52, 117.184,
320.914

100, 0.690,
110.014

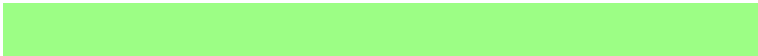
Harmonies

Complementary

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



70, 71.688, 321.162



91, 70.433, 136.268

Rectangle

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



70, 71.688, 321.162



70, 71.688, 11.162



70, 71.688, 141.162



70, 71.688, 191.162

Sweetspot

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



70, 71.686, 321.162



91, 21.149, 319.719



67, 53.547, 288.346



47, 14.624, 319.819



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, 71.686, 321.162



66, 84.778, 321.449



71, 60.646, 338.017



50, 8.557, 319.509



39, 94.730, 321.029



10, 43.444, 321.849

Inverse Universe

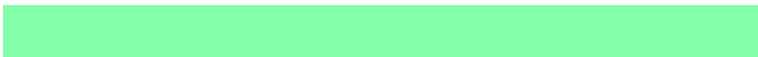
The Inverse Universe completely reimagines the original color for something new.



70, 48.964, 10.543



65, 59.116, 12.815



91, 60.118, 149.795



50, 5.411, 4.819



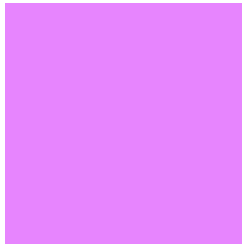
40, 75.425, 30.312



10, 32.041, 19.211

Previews

White Background



This preview shows how the CIELCh color 70, 71.688, 321.162 looks on a white background.

Color Contrast Check

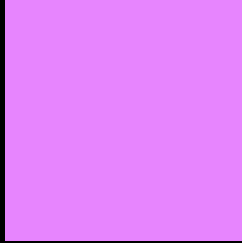
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 71.688, 321.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

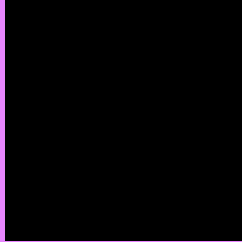
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 71.688, 321.162

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.688, 321.162.

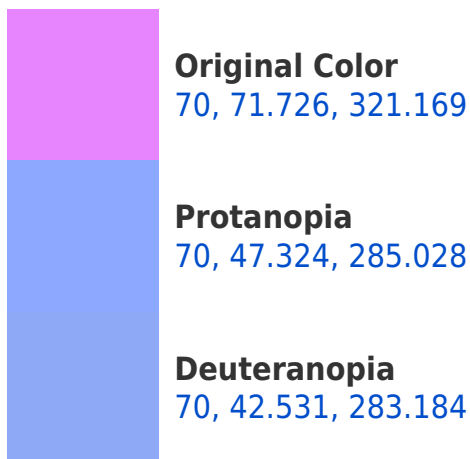


This preview shows how white text looks on a background with the CIELCh color 70, 71.688, 321.162.

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, 26.255, 7.735

Trichromacy



Original Color
70, 71.726, 321.169



Protanomaly
69, 54.175, 300.934



Deuteranomaly
69, 51.505, 301.097

Tritanomaly
70, 39.207, 338.528

Monochromacy



Original Color
70, 71.726, 321.169



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 27.377, 320.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.688, 321.162 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(231, 133, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 133, 254)  
}
```

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(231, 133, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 133, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.688, 321.162 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(231, 133, 254) }
```

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

```
.border{ border-color:rgb(231, 133, 254) }
```

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

Here you see how a box with a 4 pixel rgb(231, 133, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 133, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 133, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 133,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.688, 321.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 133, 254) }
```

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

```
.background{ background-color: rgb(231,  
133, 254) }
```

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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