

Converting Colors

CIELCh(73, 96.345, 312.137)

Have a look what the booklet for
CIELCh(73, 96.345, 312.137)
contains.

CIELCh(70, 69.893, 319.210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 69.893, 319.210)

Conversions

Conversions Part 1

Format	Color
Hex	E188FF
RGB	225, 136, 255
RGB Percent	88%, 53%, 100%
CMY	0.1183, 0.4673, 0.0007
CMYK	0.12, 0.47, 0.00, 0.00
HSL	285°, 100%, 77%
HSV	285°, 47%, 100%
XYZ	57.7984, 40.7494, 99.2765
YIQ	176.1770, 14.8450, 55.8770

Conversions

Conversions Part 2

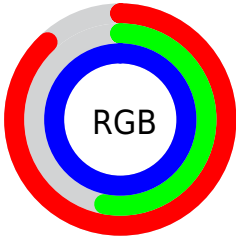
Format	Color
R _Y B	225, 136, 255
Decimal	14780671
CIE Lab	70.00, 52.92, -45.66
CIE LCh	70, 69.893, 319.210
Yxy	40.7494, 0.2922, 0.2060
Android (android.graphics.Color)	4292970751 (0xFFE188FF)
YUV	176.1770, 38.8597, 42.8178
Hunter-Lab	63.8353, 49.9075, -47.5230

Details

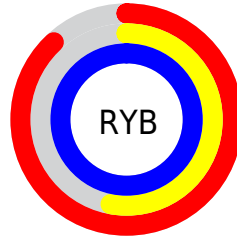
The CIELCh color **70, 69.893, 319.210** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **92, 68.052, 134.697**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 40.132, 325.817**, and **50, 69.851, 319.262** is the 20% darker color. If you saturate the color by 10%, you get **64, 83.821, 319.520**, and if you desaturate by 10%, it is **76, 55.126, 318.822**.

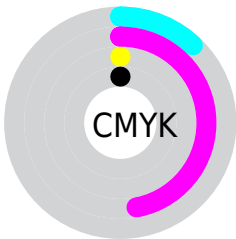
Distribution



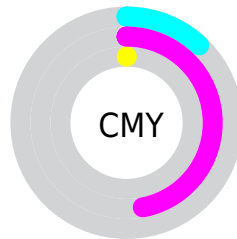
- Red (88%)
- Green (53%)
- Blue (100%)



- Red (88%)
- Yellow (53%)
- Blue (100%)



- Cyan (12%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 69.893, 319.210 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, 69.893, 319.210 by changing the saturation by 10% instead.


 70, 69.893,
319.210


 70, 69.893,
319.210


 100, 69.893,
319.210


 60, 69.893,
319.210


 90, 69.893,
319.210

 50, 69.893,
319.210

 40, 69.893,
319.210

 30, 69.893,
319.210

 20, 69.893,
319.210

 10, 69.893,
319.210

 0, 69.893, 319.210

70, 69.893,
319.210

70, 69.893,
319.210

64, 83.821,
319.520

76, 55.126,
318.822

60, 96.279,
319.705

82, 40.003,
318.392

56, 106.515,
319.709

89, 24.848,
317.946

52, 113.830,
319.474

95, 9.871, 317.492

50, 117.883,
318.960

100, 0.078,
109.188

50, 118.776,
318.754

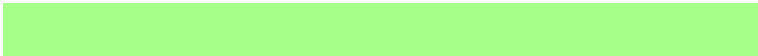
Harmonies

Complementary

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



70, 69.893, 319.210



92, 68.052, 134.697

Rectangle

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



70, 69.893, 319.210



70, 69.893, 9.210



70, 69.893, 139.210



70, 69.893, 189.210

Sweetspot

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



70, 69.891, 319.210



91, 20.803, 317.825



70, 48.186, 284.185



47, 14.389, 317.922



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, 69.891, 319.210



65, 82.942, 319.502



72, 62.433, 335.008



50, 8.413, 317.622



37, 95.647, 318.900



9, 43.786, 319.929

Inverse Universe

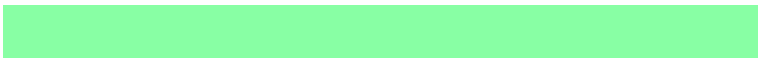
The Inverse Universe completely reimagines the original color for something new.



71, 48.388, 5.666



66, 58.079, 7.802



91, 62.303, 147.516



50, 5.541, 0.217



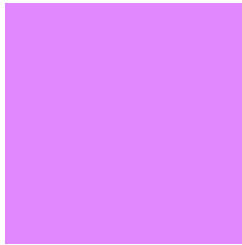
40, 72.534, 25.446



10, 31.689, 15.863

Previews

White Background



This preview shows how the CIELCh color 70, 69.893, 319.210 looks on a white background.

Color Contrast Check

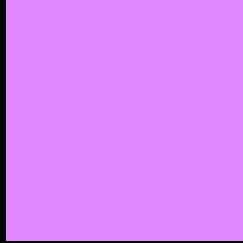
Large Text (above 18pt) WCAG AA × Fail

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, 69.893, 319.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

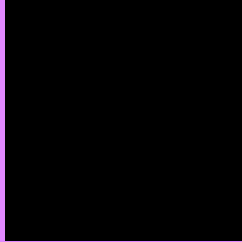
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 69.893, 319.210

Background



This preview shows how black text looks on a background with the CIELCh color 70, 69.893, 319.210.

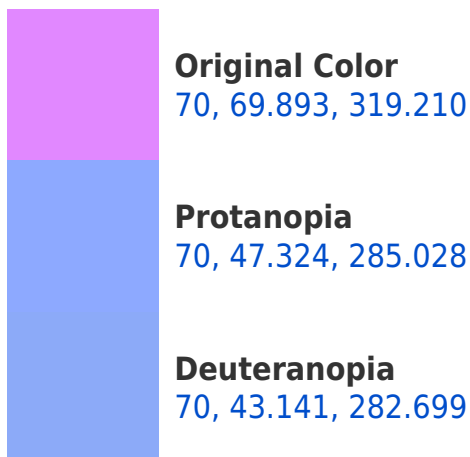


This preview shows how white text looks on a background with the CIELCh color 70, 69.893, 319.210.

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, 22.717, 5.017

Trichromacy



Original Color
70, 69.893, 319.210



Protanomaly
69, 54.037, 299.651



Deuteranomaly
69, 50.749, 299.388

Tritanomaly
70, 36.986, 334.482

Monochromacy



Original Color
70, 69.893, 319.210



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 26.885, 318.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 69.893, 319.210 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(225, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 136, 255)  
}
```

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(225, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 136, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 69.893, 319.210 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(225, 136, 255) }
```

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

```
.border{ border-color:rgb(225, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 136,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 69.893, 319.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 136, 255) }
```

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

```
.background{ background-color: rgb(225,  
136, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor