

Converting Colors

CIELCh(70, 72.133, 320.220)

Have a look what the booklet for
CIELCh(70, 72.133, 320.220)
contains.

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Color

CIELCh(70, 71.994, 320.463)

Conversions

Conversions Part 1

Format	Color
Hex	E585FF
RGB	229, 133, 255
RGB Percent	90%, 52%, 100%
CMY	0.1012, 0.4777, 0.0000
CMYK	0.10, 0.48, 0.00, 0.00
HSL	287°, 100%, 76%
HSV	287°, 48%, 100%
XYZ	58.8717, 40.7494, 99.5369
YIQ	175.6120, 18.0540, 58.2940

Conversions

Conversions Part 2

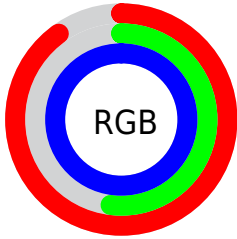
Format	Color
RYB	229, 133, 255
Decimal	15042047
CIELab	70.00, 55.52, -45.83
CIElCh	70, 71.994, 320.463
Yxy	40.7494, 0.2956, 0.2046
Android (android.graphics.Color)	4293232127 (0xFFE585FF)
YUV	175.6120, 39.1383, 46.8213
Hunter-Lab	63.8353, 52.9089, -47.7648

Details

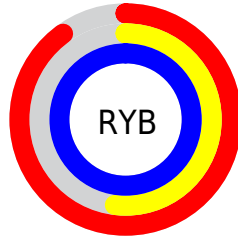
The CIELCh color **70, 71.994, 320.463** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **92, 70.421, 135.708**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 41.380, 325.860**, and **50, 72.199, 320.364** is the 20% darker color. If you saturate the color by 10%, you get **65, 85.599, 320.800**, and if you desaturate by 10%, it is **76, 57.214, 320.120**.

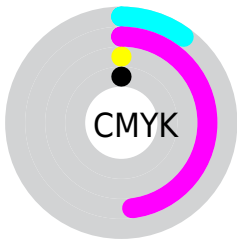
Distribution



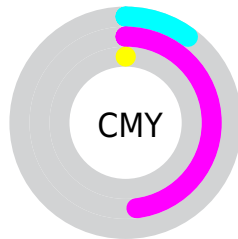
- Red (90%)
- Green (52%)
- Blue (100%)



- Red (90%)
- Yellow (52%)
- Blue (100%)



- Cyan (10%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (48%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 71.994, 320.463 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, 71.994, 320.463 by changing the saturation by 10% instead.


 70, 71.994,
320.463


 70, 71.994,
320.463


 100, 71.994,
320.463

 60, 71.994,
320.463


 90, 71.994,
320.463

 50, 71.994,
320.463

 40, 71.994,
320.463

 30, 71.994,
320.463

 20, 71.994,
320.463

 10, 71.994,
320.463

 0, 71.994, 320.463

70, 71.994,
320.463

70, 71.994,
320.463

65, 85.599,
320.800

76, 57.214,
320.120

60, 97.648,
320.973

82, 42.047,
319.691

56, 107.318,
320.970

88, 26.764,
319.240

54, 113.991,
320.743

95, 11.605,
318.779

52, 117.496,
320.270

100, 0.012,
296.813

51, 118.051,
320.148

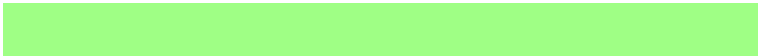
Harmonies

Complementary

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



70, 71.994, 320.463



92, 70.421, 135.708

Rectangle

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



70, 71.994, 320.463



70, 71.994, 10.463



70, 71.994, 140.463



70, 71.994, 190.463

Sweetspot

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



70, 71.903, 320.501



91, 21.026, 319.067



67, 52.756, 287.448



47, 14.541, 319.166



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, 71.903, 320.501



65, 84.596, 320.781



72, 61.694, 337.265



50, 8.506, 318.860



38, 95.030, 320.276



9, 43.556, 321.172

Inverse Universe

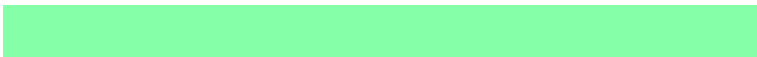
The Inverse Universe completely reimagines the original color for something new.



70, 49.337, 8.936



65, 59.052, 11.164



91, 61.289, 149.159



50, 5.452, 3.196



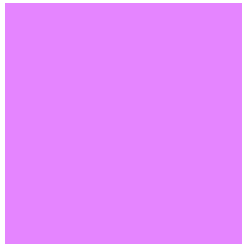
40, 74.372, 28.700



10, 31.915, 18.131

Previews

White Background



This preview shows how the CIELCh color 70, 71.994, 320.463 looks on a white background.

Color Contrast Check

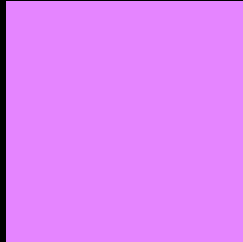
Large Text (above 18pt) WCAG AA × Fail

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, 71.994, 320.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

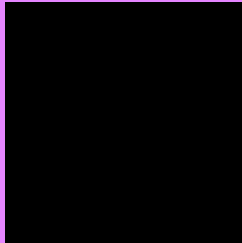
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 71.994, 320.463

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.994, 320.463.

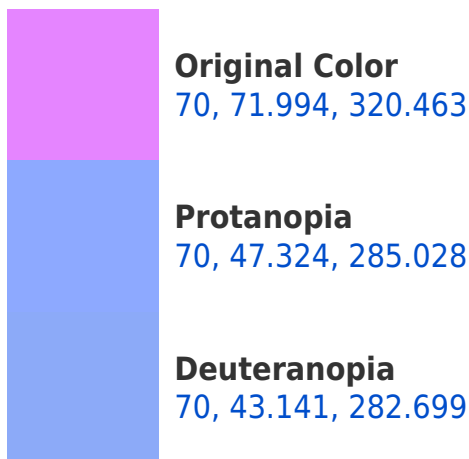


This preview shows how white text looks on a background with the CIELCh color 70, 71.994, 320.463.

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, 25.453, 7.178

Trichromacy



Original Color
70, 71.994, 320.463



Protanomaly
69, 54.686, 300.593



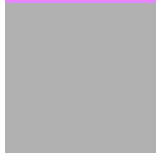
Deuteranomaly
69, 51.915, 300.043

Tritanomaly
69, 39.069, 337.075

Monochromacy



Original Color
70, 71.994, 320.463



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 27.694, 319.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.994, 320.463 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(229, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 133, 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(229, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 133, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.994, 320.463 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(229, 133, 255) }
```

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

```
.border{ border-color:rgb(229, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 133,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.994, 320.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 133, 255) }
```

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

```
.background{ background-color: rgb(229,  
133, 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](#).

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