

Converting Colors

CIELCh(77, 127.203, 309.369)

Have a look what the booklet for
CIELCh(77, 127.203, 309.369)
contains.

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Color

CIELCh(70, 70.832, 320.325)

Conversions

Conversions Part 1

Format	Color
Hex	E486FE
RGB	228, 134, 254
RGB Percent	89%, 53%, 100%
CMY	0.1056, 0.4740, 0.0037
CMYK	0.10, 0.47, 0.00, 0.00
HSL	287°, 98%, 76%
HSV	287°, 47%, 100%
XYZ	58.4563, 40.7494, 98.6040
YIQ	175.7860, 17.5040, 57.2480

Conversions

Conversions Part 2

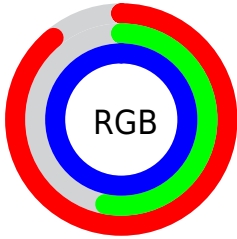
Format	Color
R _Y B	228, 134, 254
Decimal	14976766
CIE Lab	70.00, 54.52, -45.22
CIE LCh	70, 70.832, 320.325
Yxy	40.7494, 0.2955, 0.2060
Android (android.graphics.Color)	4293166846 (0xFFE486FE)
YUV	175.7860, 38.5595, 45.7917
Hunter-Lab	63.8353, 51.7472, -46.8984

Details

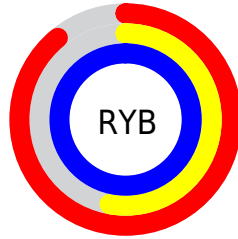
The CIELCh color $70, 70.832, 320.325$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $92, 69.327, 135.614$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $85, 40.756, 325.838$, and $50, 71.140, 320.227$ is the 20% darker color. If you saturate the color by 10%, you get $65, 84.573, 320.630$, and if you desaturate by 10%, it is $76, 56.144, 319.940$.

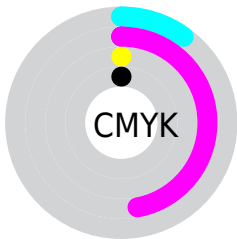
Distribution



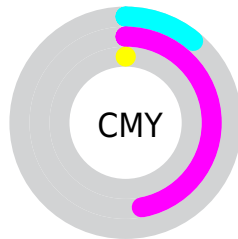
- Red (89%)
- Green (53%)
- Blue (100%)



- Red (89%)
- Yellow (53%)
- Blue (100%)



- Cyan (10%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 70.832, 320.325 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, 70.832, 320.325 by changing the saturation by 10% instead.


 70, 70.832,
320.325


 70, 70.832,
320.325


 100, 70.832,
320.325


 60, 70.832,
320.325


 90, 70.832,
320.325

 50, 70.832,
320.325

 40, 70.832,
320.325

 30, 70.832,
320.325

 20, 70.832,
320.325

 10, 70.832,
320.325

 0, 70.832, 320.325

70, 70.832,
320.325

70, 70.832,
320.325

65, 84.573,
320.630

76, 56.144,
319.940

60, 96.725,
320.810

82, 41.014,
319.510

56, 106.557,
320.815

88, 25.793,
319.059

53, 113.432,
320.598

95, 10.710,
318.599

51, 117.113,
320.128

100, 0.463,
109.976

51, 117.815,
319.972

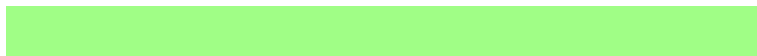
Harmonies

Complementary

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



70, 70.832, 320.325



92, 69.327, 135.614

Rectangle

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



70, 70.832, 320.325



70, 70.832, 10.325



70, 70.832, 140.325



70, 70.832, 190.325

Sweetspot

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



70, 70.830, 320.325



91, 20.998, 318.913



68, 50.816, 286.350



47, 14.521, 319.012



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, 70.830, 320.325



65, 84.554, 320.625



72, 61.525, 336.473



50, 8.494, 318.707



38, 95.103, 320.101



9, 43.583, 321.014

Inverse Universe

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



70, 48.606, 8.431



65, 59.045, 10.776



91, 61.217, 148.625



50, 5.462, 2.819



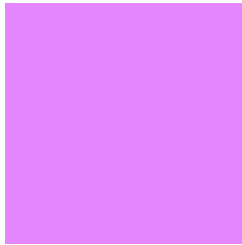
40, 74.131, 28.309



10, 31.886, 17.865

Previews

White Background



This preview shows how the CIELCh color 70, 70.832, 320.325 looks on a white background.

Color Contrast Check

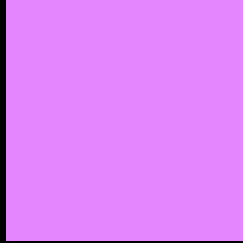
Large Text (above 18pt) WCAG AA × Fail

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, 70.832, 320.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

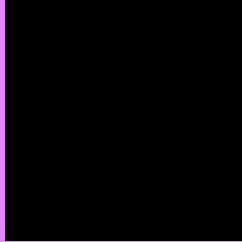
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 70.832, 320.325

Background



This preview shows how black text looks on a background with the CIELCh color 70, 70.832, 320.325.

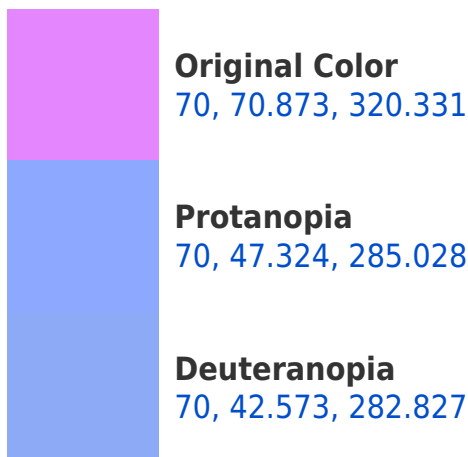



This preview shows how white text looks on a background with the CIELCh color 70, 70.832, 320.325.

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, 24.574, 7.832

Trichromacy



Original Color
70, 70.873, 320.331



Protanomaly
69, 54.686, 300.593



Deuteranomaly
69, 51.402, 300.403

Tritanomaly
70, 38.210, 336.779

Monochromacy



Original Color
70, 70.873, 320.331



Achromatopsia
72, 0.009, 296.813



Achromatomaly
70, 26.560, 319.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 70.832, 320.325 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(228, 134, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 134, 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(228, 134, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 134, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 70.832, 320.325 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(228, 134, 254) }
```

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

```
.border{ border-color:rgb(228, 134, 254) }
```

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

Here you see how a box with a 4 pixel rgb(228, 134, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 134, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 134, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 134,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 70.832, 320.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 134, 254) }
```

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

```
.background{ background-color: rgb(228,  
134, 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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