

Converting Colors

CIELCh(73, 121.271, 312.204)

Have a look what the booklet for
CIELCh(73, 121.271, 312.204)
contains.

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Color

CIELCh(68, 79.566, 321.954)

Conversions

Conversions Part 1

Format	Color
Hex	E878FF
RGB	232, 120, 255
RGB Percent	91%, 47%, 100%
CMY	0.0888, 0.5281, 0.0000
CMYK	0.09, 0.53, 0.00, 0.00
HSL	290°, 100%, 74%
HSV	290°, 53%, 100%
XYZ	58.2589, 37.9720, 99.1652
YIQ	168.8780, 23.4170, 65.7290

Conversions

Conversions Part 2

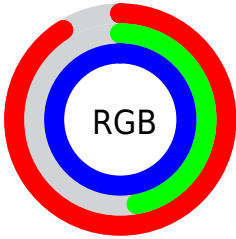
Format	Color
RYB	232, 120, 255
Decimal	15235327
CIELab	68.00, 62.66, -49.04
CIELCh	68, 79.566, 321.954
Yxy	37.9720, 0.2982, 0.1943
Android (android.graphics.Color)	4293425407 (0xFFE878FF)
YUV	168.8780, 42.4581, 55.3580
Hunter-Lab	61.6215, 60.9222, -52.2782

Details

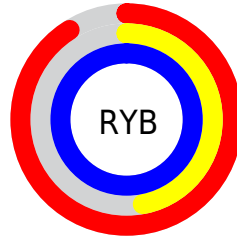
The CIELCh color $68, 79.566, 321.954$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 78.271, 136.441$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $82, 49.432, 326.132$, and $48, 79.813, 321.989$ is the 20% darker color. If you saturate the color by 10%, you get $63, 92.190, 322.273$, and if you desaturate by 10%, it is $73, 65.214, 321.667$.

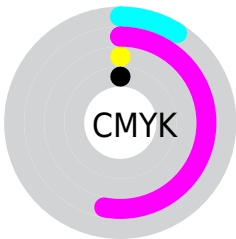
Distribution



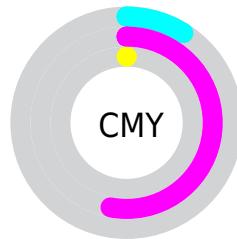
- Red (91%)
- Green (47%)
- Blue (100%)



- Red (91%)
- Yellow (47%)
- Blue (100%)



- Cyan (9%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (53%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 79.566, 321.954 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 68, 79.566, 321.954 by changing the saturation by 10% instead.


 68, 79.566,
321.954


 68, 79.566,
321.954


 100, 79.566,
321.954


 58, 79.566,
321.954


 88, 79.566,
321.954

 48, 79.566,
321.954

 98, 79.566,
321.954

 38, 79.566,
321.954

 28, 79.566,
321.954

 18, 79.566,
321.954

 8, 79.566, 321.954

 0, 79.566, 321.954

68, 79.566,
321.954

68, 79.566,
321.954

63, 92.190,
322.273

73, 65.214,
321.667

59, 102.865,
322.385

79, 50.207,
321.251

56, 110.775,
322.317

85, 34.846,
320.798

54, 115.535,
322.036

92, 19.451,
320.330

53, 117.301,
321.719

98, 4.233, 319.823

100, 0.012,
296.813

Harmonies

Complementary

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



68, 79.566, 321.954



91, 78.271, 136.441

Rectangle

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



68, 79.566, 321.954



68, 79.566, 11.954



68, 79.566, 141.954



68, 79.566, 191.954

Sweetspot

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



68, 79.409, 322.020



90, 24.353, 320.481



63, 61.421, 290.469



46, 16.463, 320.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 79.409, 322.020



63, 92.417, 322.276



69, 65.991, 339.316



50, 8.611, 320.173



40, 94.443, 321.824



10, 43.337, 322.560

Inverse Universe

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



67, 54.755, 13.431



62, 65.493, 16.285



91, 65.476, 149.734



50, 5.374, 6.523



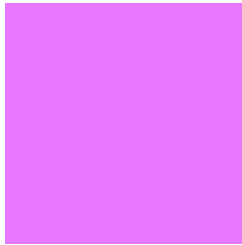
40, 76.549, 31.880



10, 32.173, 20.240

Previews

White Background



This preview shows how the CIELCh color 68, 79.566, 321.954 looks on a white background.

Color Contrast Check

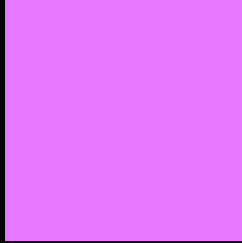
Large Text (above 18pt) WCAG AA × Fail

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 68, 79.566, 321.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

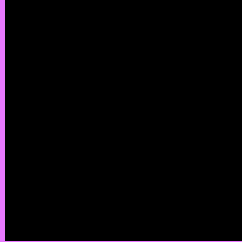
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 79.566, 321.954

Background



This preview shows how black text looks on a background with the CIELCh color 68, 79.566, 321.954.

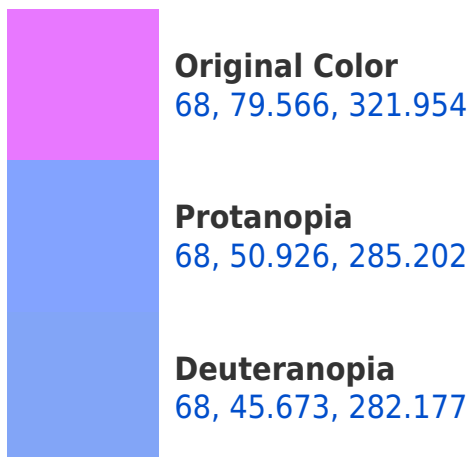


This preview shows how white text looks on a background with the CIELCh color 68, 79.566, 321.954.

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
68, 29.996, 11.076

Trichromacy



Original Color
68, 79.566, 321.954



Protanomaly
67, 60.097, 301.713



Deuteranomaly
67, 56.176, 300.980

Tritanomaly
67, 43.875, 340.210

Monochromacy



Original Color
68, 79.566, 321.954



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 30.785, 321.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 79.566, 321.954 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(232, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 120, 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(232, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 120, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 79.566, 321.954 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(232, 120, 255) }
```

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

```
.border{ border-color:rgb(232, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 120,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 79.566, 321.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 120, 255) }
```

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

```
.background{ background-color: rgb(232,  
120, 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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