

Converting Colors

CIELCh(70, 75.604, 322.115)

Have a look what the booklet for
CIELCh(70, 75.604, 322.115)
contains.

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Color

CIELCh(70, 74.911, 322.444)

Conversions

Conversions Part 1

Format	Color
Hex	EC81FF
RGB	236, 129, 255
RGB Percent	93%, 51%, 100%
CMY	0.0745, 0.4941, 0.0000
CMYK	0.07, 0.49, 0.00, 0.00
HSL	291°, 100%, 75%
HSV	291°, 49%, 100%
XYZ	60.4873, 40.7494, 99.2776
YIQ	175.3570, 23.3260, 61.8700

Conversions

Conversions Part 2

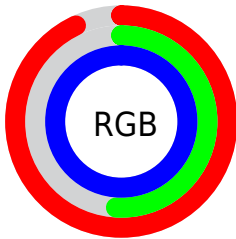
Format	Color
R _Y B	236, 129, 255
Decimal	15499775
CIE _{Lab}	70.00, 59.39, -45.66
CIE _{LCh}	70, 74.911, 322.444
Y _{xy}	40.7494, 0.3017, 0.2032
Android (android.graphics.Color)	4293689855 (0xFFEC81FF)
Y _{UV}	175.3570, 39.2640, 53.1839
Hunter-Lab	63.8353, 57.4264, -47.5240

Details

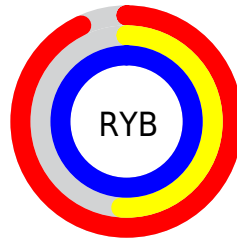
The CIELCh color **70, 74.911, 322.444** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 74.012, 137.111**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 43.869, 325.944**, and **50, 75.146, 322.465** is the 20% darker color. If you saturate the color by 10%, you get **65, 88.192, 322.742**, and if you desaturate by 10%, it is **75, 60.390, 322.061**.

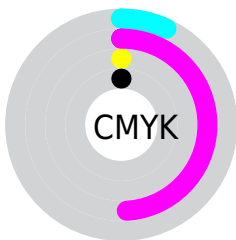
Distribution



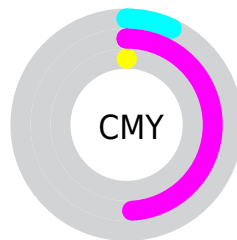
- Red (93%)
- Green (51%)
- Blue (100%)



- Red (93%)
- Yellow (51%)
- Blue (100%)



- Cyan (7%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 74.911, 322.444 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, 74.911, 322.444 by changing the saturation by 10% instead.

 70, 74.911,
322.444

 70, 74.911,
322.444

 100, 74.911,
322.444

 60, 74.911,
322.444


 90, 74.911,
322.444

 50, 74.911,
322.444

 40, 74.911,
322.444

 30, 74.911,
322.444

 20, 74.911,
322.444

 10, 74.911,
322.444

 0, 74.911, 322.444

70, 74.911,
322.444

70, 74.911,
322.444

65, 88.192,
322.742

75, 60.390,
322.061

61, 99.570,
322.917

81, 45.196,
321.625

58, 108.366,
322.932

87, 29.744,
321.160

55, 114.098,
322.753

94, 14.324,
320.681

54, 116.903,
322.383

100, 0.008,
300.492

54, 117.032,
322.359

Harmonies

Complementary

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



70, 74.911, 322.444



91, 74.012, 137.111

Rectangle

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



70, 74.911, 322.444



70, 74.911, 12.444



70, 74.911, 142.444



70, 74.911, 192.444

Sweetspot

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



70, 74.909, 322.444



90, 22.925, 320.950



65, 58.339, 290.495



47, 15.662, 321.051



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, 74.909, 322.444



65, 87.681, 322.732



71, 61.574, 339.780



50, 8.654, 320.685



40, 94.235, 322.455



10, 43.260, 323.123

Inverse Universe

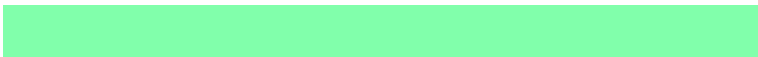
The Inverse Universe completely reimagines the original color for something new.



69, 51.116, 13.945



64, 61.523, 16.408



91, 60.793, 150.852



50, 5.348, 7.870



40, 77.438, 33.028



10, 32.275, 20.985

Previews

White Background



This preview shows how the CIELCh color 70, 74.911, 322.444 looks on a white background.

Color Contrast Check

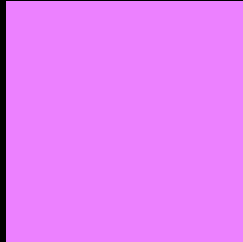
Large Text (above 18pt) WCAG AA × Fail

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, 74.911, 322.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

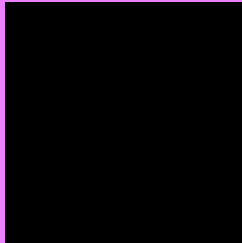
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 74.911, 322.444

Background



This preview shows how black text looks on a background with the CIELCh color 70, 74.911, 322.444.

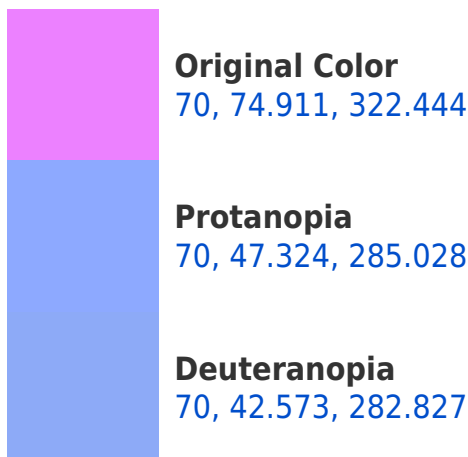


This preview shows how white text looks on a background with the CIELCh color 70, 74.911, 322.444.

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, 29.042, 9.474

Trichromacy



Original Color
70, 74.911, 322.444



Protanomaly
69, 55.983, 302.115



Deuteranomaly
69, 52.709, 302.037

Tritanomaly
70, 41.950, 340.648

Monochromacy



Original Color
70, 74.911, 322.444



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 28.856, 321.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 74.911, 322.444 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(236, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 129, 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(236, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 129, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 74.911, 322.444 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(236, 129, 255) }
```

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

```
.border{ border-color:rgb(236, 129, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 129, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 129,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 74.911, 322.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 129, 255) }
```

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

```
.background{ background-color: rgb(236,  
129, 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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