

Converting Colors

CIELCh(75, 109.729, 306.488)

Have a look what the booklet for
CIELCh(75, 109.729, 306.488)
contains.

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Color

CIELCh(70, 62.988, 312.993)

Conversions

Conversions Part 1

Format	Color
Hex	CE91FF
RGB	206, 145, 255
RGB Percent	81%, 57%, 100%
CMY	0.1909, 0.4302, 0.0000
CMYK	0.19, 0.43, 0.00, 0.00
HSL	273°, 100%, 78%
HSV	273°, 43%, 100%
XYZ	53.8148, 40.7494, 99.9097
YIQ	175.7790, 1.0460, 47.1420

Conversions

Conversions Part 2

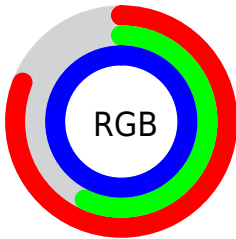
Format	Color
R _Y B	206, 145, 255
Decimal	13537791
CIE _{Lab}	70.00, 42.95, -46.07
CIE _{LCh}	70, 62.988, 312.993
Y _{xy}	40.7494, 0.2767, 0.2095
Android (android.graphics.Color)	4291727871 (0xFFCE91FF)
YUV	175.7790, 39.0560, 26.5038
Hunter-Lab	63.8353, 38.7684, -48.1112

Details

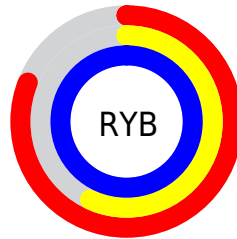
The CIELCh color **70, 62.988, 312.993** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 59.506, 128.994**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 34.496, 325.624**, and **50, 63.083, 313.054** is the 20% darker color. If you saturate the color by 10%, you get **64, 77.512, 313.498**, and if you desaturate by 10%, it is **77, 47.902, 312.547**.

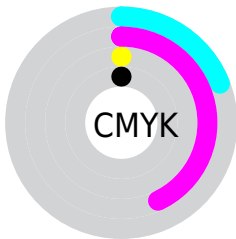
Distribution



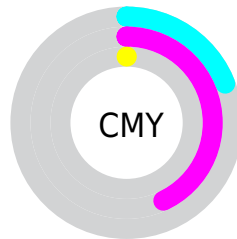
- Red (81%)
- Green (57%)
- Blue (100%)



- Red (81%)
- Yellow (57%)
- Blue (100%)



- Cyan (19%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (43%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 62.988, 312.993 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, 62.988, 312.993 by changing the saturation by 10% instead.


 70, 62.988,
312.993


 70, 62.988,
312.993


 100, 62.988,
312.993


 60, 62.988,
312.993


 90, 62.988,
312.993

 50, 62.988,
312.993

 40, 62.988,
312.993

 30, 62.988,
312.993

 20, 62.988,
312.993

 10, 62.988,
312.993

 0, 62.988, 312.993

70, 62.988,
312.993

70, 62.988,
312.993

64, 77.512,
313.498

77, 47.902,
312.547

57, 91.453,
313.862

84, 33.053,
312.051

52, 103.908,
314.057

91, 18.464,
311.571

48, 113.942,
313.984

98, 4.231, 311.098

44, 120.674,
313.542

100, 0.012,
296.813

43, 123.516,
313.031

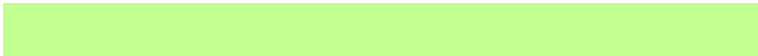
Harmonies

Complementary

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



70, 62.988, 312.993



94, 59.506, 128.994

Rectangle

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



70, 62.988, 312.993



70, 62.988, 2.993



70, 62.988, 132.993



70, 62.988, 182.993

Sweetspot

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



70, 62.826, 313.041



91, 18.435, 311.570



77, 34.776, 268.461



47, 12.937, 311.674



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, 62.826, 313.041



64, 76.038, 313.454



75, 65.543, 328.211



49, 8.026, 311.408



31, 99.320, 313.226



7, 44.804, 314.439

Inverse Universe

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



73, 47.588, 351.574



68, 56.984, 353.048



92, 65.753, 142.358



50, 6.153, 347.593



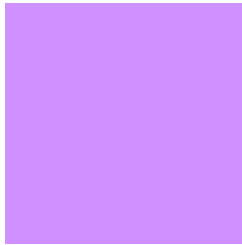
41, 68.008, 7.547



10, 31.454, 1.105

Previews

White Background



This preview shows how the CIELCh color 70, 62.988, 312.993 looks on a white background.

Color Contrast Check

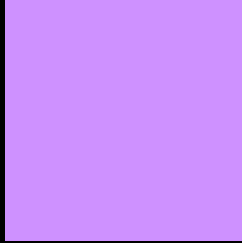
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 62.988, 312.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

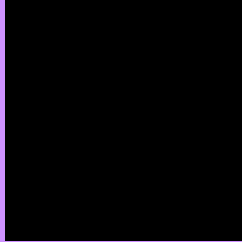
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 62.988, 312.993

Background



This preview shows how black text looks on a background with the CIELCh color 70, 62.988, 312.993.



This preview shows how white text looks on a background with the CIELCh color 70, 62.988, 312.993.

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



Original Color

70, 62.988, 312.993

Protanopia

70, 47.324, 285.028

Deuteranopia

70, 44.276, 282.470



Tritanopia
70, 13.435, 348.792

Trichromacy



Original Color
70, 62.988, 312.993



Protanomaly
70, 52.150, 296.719



Deuteranomaly
70, 49.926, 295.597

Tritanomaly
70, 30.142, 321.483

Monochromacy



Original Color
70, 62.988, 312.993



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 23.335, 311.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 62.988, 312.993 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(206, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 145, 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(206, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 145, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 62.988, 312.993 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(206, 145, 255) }
```

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

```
.border{ border-color:rgb(206, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 145,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 62.988, 312.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 145, 255) }
```

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

```
.background{ background-color: rgb(206,  
145, 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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