

Converting Colors

CIELCh(70, 66.441, 316.324)

Have a look what the booklet for
CIELCh(70, 66.441, 316.324)
contains.

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Color

CIELCh(70, 66.163, 316.321)

Conversions

Conversions Part 1

Format	Color
Hex	D88DFF
RGB	216, 141, 255
RGB Percent	85%, 55%, 100%
CMY	0.1539, 0.4479, 0.0010
CMYK	0.15, 0.45, 0.00, 0.00
HSL	279°, 100%, 78%
HSV	279°, 45%, 100%
XYZ	55.7493, 40.7494, 99.3272
YIQ	176.4210, 8.1060, 51.3540

Conversions

Conversions Part 2

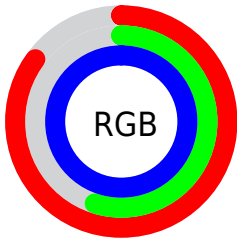
Format	Color
R _Y B	216, 141, 255
Decimal	14192127
CIE Lab	70.00, 47.85, -45.69
CIE LCh	70, 66.163, 316.321
Yxy	40.7494, 0.2847, 0.2081
Android (android.graphics.Color)	4292382207 (0xFFD88DFF)
YUV	176.4210, 38.7394, 34.7108
Hunter-Lab	63.8353, 44.1779, -47.5701

Details

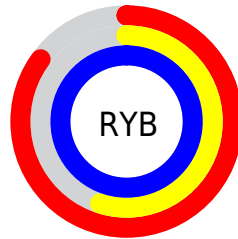
The CIELCh color **70, 66.163, 316.321** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **93, 63.581, 132.191**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 37.005, 325.710**, and **50, 66.518, 316.297** is the 20% darker color. If you saturate the color by 10%, you get **64, 80.502, 316.680**, and if you desaturate by 10%, it is **76, 51.291, 315.899**.

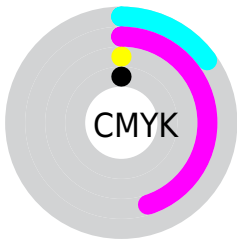
Distribution



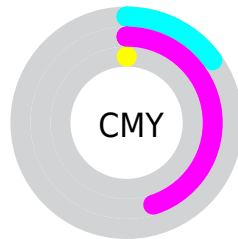
- Red (85%)
- Green (55%)
- Blue (100%)



- Red (85%)
- Yellow (55%)
- Blue (100%)



- Cyan (15%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (45%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 66.163, 316.321 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, 66.163, 316.321 by changing the saturation by 10% instead.


 70, 66.163,
316.321


 70, 66.163,
316.321


 100, 66.163,
316.321


 60, 66.163,
316.321


 90, 66.163,
316.321

 50, 66.163,
316.321

 40, 66.163,
316.321

 30, 66.163,
316.321

 20, 66.163,
316.321

 10, 66.163,
316.321

 0, 66.163, 316.321

70, 66.163,
316.321

70, 66.163,
316.321

64, 80.502,
316.680

76, 51.291,
315.899

59, 93.733,
316.923

83, 36.292,
315.452

54, 105.090,
316.984

90, 21.415,
315.002

50, 113.741,
316.783

97, 6.811, 314.552

47, 119.070,
316.252

100, 0.113,
109.485

46, 120.790,
315.867

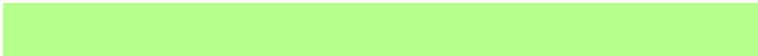
Harmonies

Complementary

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



70, 66.163, 316.321



93, 63.581, 132.191

Rectangle

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



70, 66.163, 316.321



70, 66.163, 6.321



70, 66.163, 136.321



70, 66.163, 186.321

Sweetspot

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



70, 66.161, 316.321



91, 18.866, 314.924



73, 41.208, 277.792



47, 13.233, 315.023



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, 66.161, 316.321



64, 79.533, 316.657



74, 63.488, 331.637



49, 8.219, 314.769



34, 97.246, 316.044



8, 44.375, 317.304

Inverse Universe

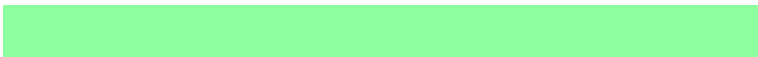
The Inverse Universe completely reimagines the original color for something new.



72, 47.386, 358.715



67, 56.938, 0.564



91, 63.612, 145.045



50, 5.792, 353.953



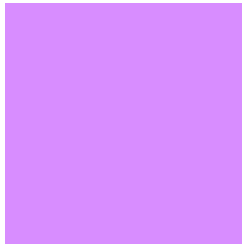
40, 69.424, 17.367



10, 31.325, 9.621

Previews

White Background



This preview shows how the CIELCh color 70, 66.163, 316.321 looks on a white background.

Color Contrast Check

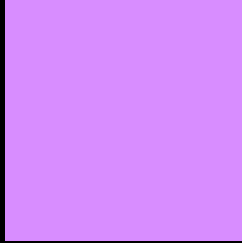
Large Text (above 18pt) WCAG AA × Fail

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, 66.163, 316.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

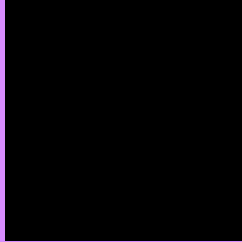
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 66.163, 316.321

Background



This preview shows how black text looks on a background with the CIELCh color 70, 66.163, 316.321.

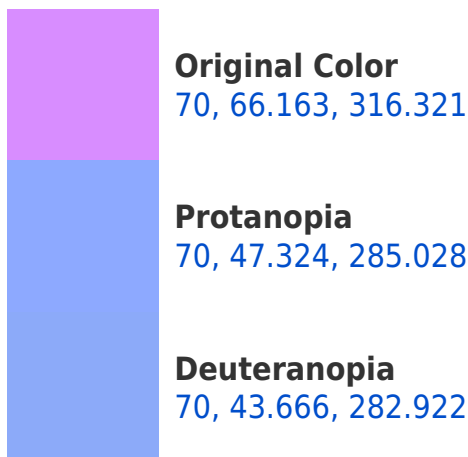



This preview shows how white text looks on a background with the CIELCh color 70, 66.163, 316.321.

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, 17.780, 359.597

Trichromacy



Original Color
70, 66.163, 316.321



Protanomaly
70, 52.780, 298.033



Deuteranomaly
70, 50.630, 298.013

Tritanomaly
70, 33.275, 329.093

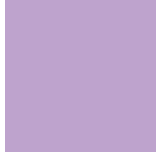
Monochromacy



Original Color
70, 66.163, 316.321



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 25.010, 314.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 66.163, 316.321 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(216, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 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(216, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 66.163, 316.321 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(216, 141, 255) }
```

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

```
.border{ border-color:rgb(216, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 141,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 66.163, 316.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 255) }
```

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

```
.background{ background-color: rgb(216,  
141, 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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