

Converting Colors

CIELCh(70, 106.077, 310.423)

Have a look what the booklet for
CIELCh(70, 106.077, 310.423)
contains.

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Color

CIELCh(67, 74.712, 316.574)

Conversions

Conversions Part 1

Format	Color
Hex	D47FFF
RGB	212, 127, 255
RGB Percent	83%, 50%, 100%
CMY	0.1670, 0.5007, 0.0000
CMYK	0.17, 0.50, 0.00, 0.00
HSL	280°, 100%, 75%
HSV	280°, 50%, 100%
XYZ	53.1840, 36.6320, 100.0859
YIQ	167.0070, 9.5720, 57.8280

Conversions

Conversions Part 2

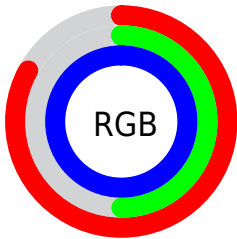
Format	Color
RYB	212, 127, 255
Decimal	13926399
CIELab	67.00, 54.26, -51.36
CIElCh	67, 74.712, 316.574
Yxy	36.6320, 0.2801, 0.1929
Android (android.graphics.Color)	4292116479 (0xFFD47FFF)
YUV	167.0070, 43.3805, 39.4589
Hunter-Lab	60.5244, 50.9339, -55.6776

Details

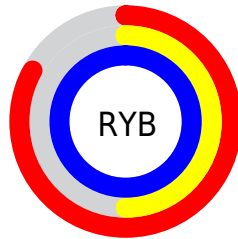
The CIELCh color $67, 74.712, 316.574$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $92, 70.953, 132.181$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 45.730, 326.007$, and $47, 74.329, 316.724$ is the 20% darker color. If you saturate the color by 10%, you get $61, 87.846, 317.093$, and if you desaturate by 10%, it is $73, 59.386, 316.404$.

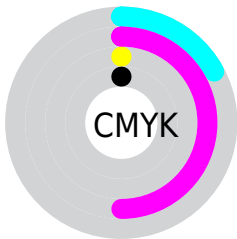
Distribution



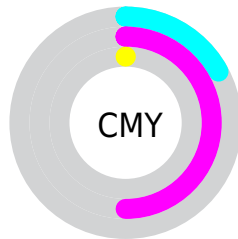
- Red (83%)
- Green (50%)
- Blue (100%)



- Red (83%)
- Yellow (50%)
- Blue (100%)



- Cyan (17%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 74.712, 316.574 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 67, 74.712, 316.574 by changing the saturation by 10% instead.

 67, 74.712,
316.574


 67, 74.712,
316.574

 100, 74.712,
316.574


 57, 74.712,
316.574


 87, 74.712,
316.574

 47, 74.712,
316.574


 97, 74.712,
316.574

 37, 74.712,
316.574

 27, 74.712,
316.574

 17, 74.712,
316.574

 7, 74.712, 316.574

 0, 74.712, 316.574

67, 74.712,
316.574

67, 74.712,
316.574

61, 87.846,
317.093

73, 59.386,
316.404

56, 100.137,
317.244

80, 44.398,
315.970

52, 110.088,
317.171

86, 29.401,
315.521

49, 116.946,
316.802

93, 14.600,
315.074

47, 120.667,
316.130

100, 0.114,
312.866

100, 0.012,
296.813

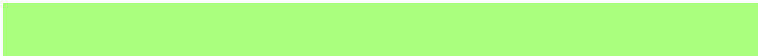
Harmonies

Complementary

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



67, 74.712, 316.574



92, 70.953, 132.181

Rectangle

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



67, 74.712, 316.574



67, 74.712, 6.574



67, 74.712, 136.574



67, 74.712, 186.574

Sweetspot

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



67, 74.034, 316.793



90, 21.861, 315.294



70, 46.348, 279.178



46, 14.947, 315.388



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 74.034, 316.793



61, 87.752, 317.092



71, 70.339, 331.982



49, 8.237, 315.049



35, 97.080, 316.305



8, 44.320, 317.550

Inverse Universe

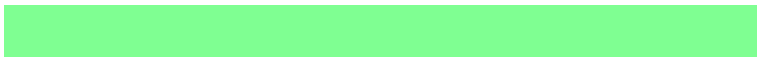
The Inverse Universe completely reimagines the original color for something new.



69, 52.846, 0.362



64, 62.587, 2.635



91, 70.714, 144.402



50, 5.765, 354.532



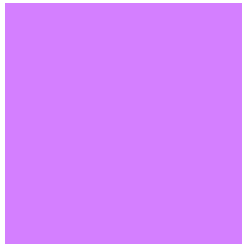
40, 69.653, 18.183



10, 31.347, 10.296

Previews

White Background



This preview shows how the CIELCh color 67, 74.712, 316.574 looks on a white background.

Color Contrast Check

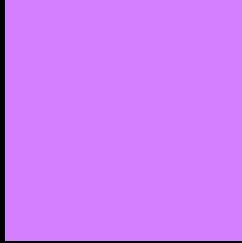
Large Text (above 18pt) WCAG AA × Fail

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 67, 74.712, 316.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

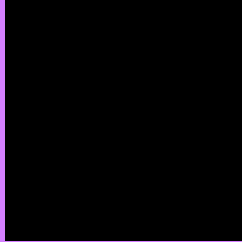
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 74.712, 316.574

Background



This preview shows how black text looks on a background with the CIELCh color 67, 74.712, 316.574.

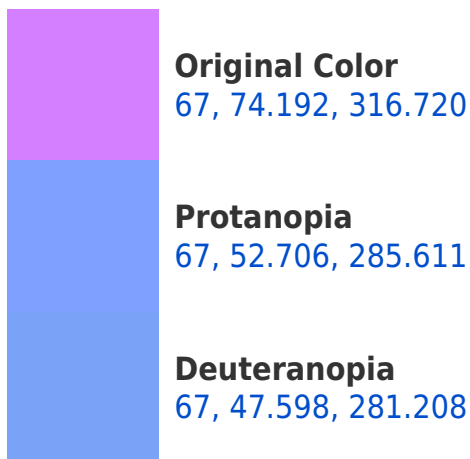


This preview shows how white text looks on a background with the CIELCh color 67, 74.712, 316.574.

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
67, 19.841, 2.075

Trichromacy



Original Color
67, 74.192, 316.720



Protanomaly
66, 59.347, 298.664



Deuteranomaly
66, 55.956, 297.101

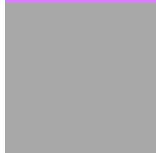


Tritanomaly
67, 36.893, 329.489

Monochromacy



Original Color
67, 74.192, 316.720



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 27.800, 315.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 74.712, 316.574 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(212, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 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(212, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 74.712, 316.574 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(212, 127, 255) }
```

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

```
.border{ border-color:rgb(212, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 74.712, 316.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 255) }
```

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

```
.background{ background-color: rgb(212,  
127, 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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