

Converting Colors

CIELCh(76, 49.262, 312.156)

Have a look what the booklet for
CIELCh(76, 49.262, 312.156)
contains.

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Color

CIELCh(76, 49.419, 312.082)

Conversions

Conversions Part 1

Format	Color
Hex	D7A8FF
RGB	215, 168, 255
RGB Percent	84%, 66%, 100%
CMY	0.1554, 0.3398, 0.0000
CMYK	0.16, 0.34, 0.00, 0.00
HSL	273°, 100%, 83%
HSV	273°, 34%, 100%
XYZ	60.3170, 49.8872, 101.3839
YIQ	191.9710, 0.0850, 37.0210

Conversions

Conversions Part 2

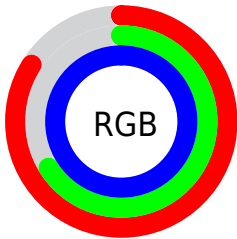
Format	Color
R _Y B	215, 168, 255
Decimal	14133503
CIE Lab	76.00, 33.12, -36.68
CIE LCh	76, 49.419, 312.082
Yxy	49.8872, 0.2851, 0.2358
Android (android.graphics.Color)	4292323583 (0xFFD7A8FF)
YUV	191.9710, 31.0733, 20.1964
Hunter-Lab	70.6309, 28.8304, -35.6635

Details

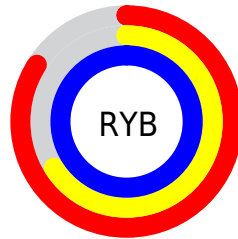
The CIELCh color $76, 49.419, 312.082$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 47.123, 128.964$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 19.393, 325.098$, and $56, 49.650, 312.126$ is the 20% darker color. If you saturate the color by 10%, you get $69, 64.147, 312.660$, and if you desaturate by 10%, it is $83, 34.377, 311.648$.

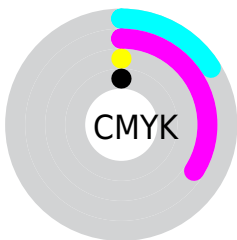
Distribution



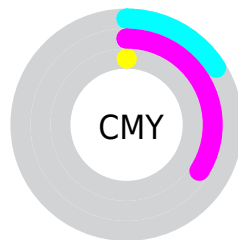
- Red (84%)
- Green (66%)
- Blue (100%)



- Red (84%)
- Yellow (66%)
- Blue (100%)



- Cyan (16%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (34%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.419, 312.082 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 76, 49.419, 312.082 by changing the saturation by 10% instead.


 76, 49.419,
312.082


 76, 49.419,
312.082


 100, 49.419,
312.082


 66, 49.419,
312.082


 96, 49.419,
312.082

 56, 49.419,
312.082

 46, 49.419,
312.082

 36, 49.419,
312.082

 26, 49.419,
312.082

 16, 49.419,
312.082

 6, 49.419, 312.082

■ 0, 49.419, 312.082

■ 76, 49.419,
312.082

■ 76, 49.419,
312.082

■ 69, 64.147,
312.660

■ 83, 34.377,
311.648

■ 63, 78.818,
313.126

■ 90, 19.787,
311.160

■ 57, 92.717,
313.496

■ 97, 5.557, 310.688

■ 51, 105.081,
313.689

100, 0.012,
296.813

■ 47, 114.950,
313.602

■ 44, 121.442,
313.133

■ 42,123.883,
312.690

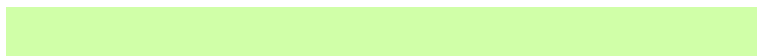
Harmonies

Complementary

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



76, 49.419, 312.082



95, 47.123, 128.964

Rectangle

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



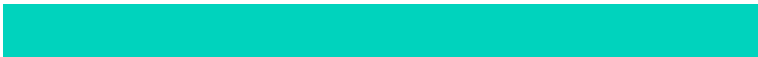
76, 49.419, 312.082



76, 49.419, 2.082



76, 49.419, 132.082



76, 49.419, 182.082

Sweetspot

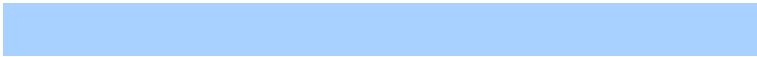
The Sweet Spot groups the original color and five complimentary colors.



76, 49.225, 312.155



93, 14.084, 310.973



82, 27.003, 264.620



49, 9.627, 311.038



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 49.225, 312.155



71, 59.715, 312.512



80, 52.907, 327.233



49, 8.002, 310.949



31, 99.610, 312.886



6, 44.836, 314.061

Inverse Universe

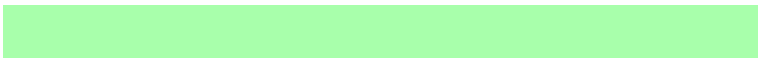
The Inverse Universe completely reimagines the original color for something new.



78, 37.901, 349.476



74, 45.705, 350.422



93, 52.945, 142.829



50, 6.206, 346.805



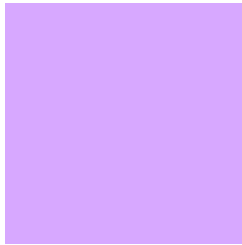
41, 67.999, 6.229



10, 31.532, 359.982

Previews

White Background



This preview shows how the CIELCh color 76, 49.419, 312.082 looks on a white background.

Color Contrast Check

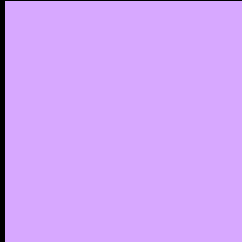
Large Text (above 18pt) WCAG AA × Fail

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 76, 49.419, 312.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

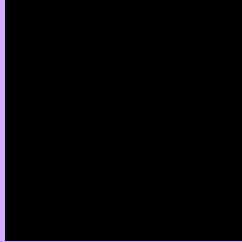
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 49.419, 312.082

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.419, 312.082.

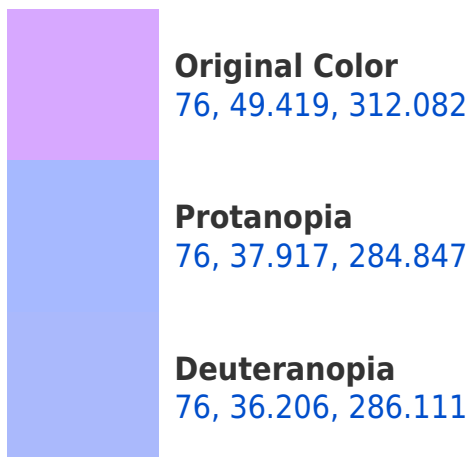


This preview shows how white text looks on a background with the CIELCh color 76, 49.419, 312.082.

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
76, 12.596, 340.685

Trichromacy



Original Color
76, 49.419, 312.082

Protanomaly
76, 41.076, 296.039

Deuteranomaly
76, 40.061, 297.365

Tritanomaly
76, 25.092, 319.792

Monochromacy



Original Color
76, 49.419, 312.082

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 18.444, 311.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.419, 312.082 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(215, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 168, 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(215, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 168, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.419, 312.082 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(215, 168, 255) }
```

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

```
.border{ border-color:rgb(215, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 168,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.419, 312.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 168, 255) }
```

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

```
.background{ background-color: rgb(215,  
168, 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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