

Converting Colors

CIELCh(78, 67.872, 311.288)

Have a look what the booklet for
CIELCh(78, 67.872, 311.288)
contains.

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Color

CIELCh(77, 51.834, 316.781)

Conversions

Conversions Part 1

Format	Color
Hex	E4A7FF
RGB	228, 167, 255
RGB Percent	89%, 65%, 100%
CMY	0.1049, 0.3444, 0.0000
CMYK	0.10, 0.34, 0.00, 0.00
HSL	282°, 100%, 83%
HSV	282°, 34%, 100%
XYZ	64.1712, 51.5317, 102.2293
YIQ	195.2710, 8.1080, 40.3000

Conversions

Conversions Part 2

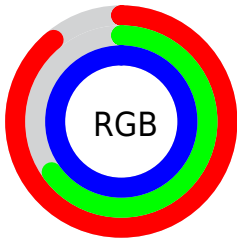
Format	Color
R _Y B	228, 167, 255
Decimal	14985215
CIE _{Lab}	77.00, 37.77, -35.50
CIE _{LCh}	77, 51.834, 316.781
Y _{xy}	51.5317, 0.2945, 0.2365
Android (android.graphics.Color)	4293175295 (0xFFE4A7FF)
Y _{UV}	195.2710, 29.4464, 28.7033
Hunter-Lab	71.7856, 33.9414, -34.1845

Details

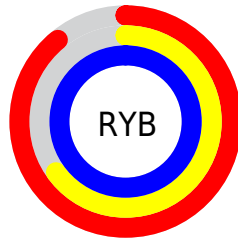
The CIELCh color $77, 51.834, 316.781$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 49.903, 133.893$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $92, 20.022, 325.121$, and $57, 51.299, 316.854$ is the 20% darker color. If you saturate the color by 10%, you get $71, 66.128, 317.485$, and if you desaturate by 10%, it is $83, 36.170, 316.636$.

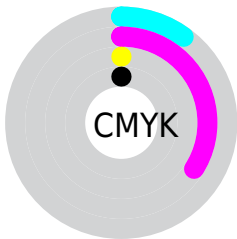
Distribution



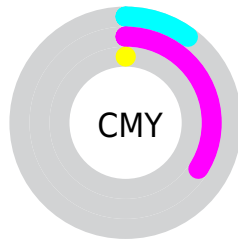
- Red (89%)
- Green (65%)
- Blue (100%)



- Red (89%)
- Yellow (65%)
- Blue (100%)



- Cyan (10%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (34%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 51.834, 316.781 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 77, 51.834, 316.781 by changing the saturation by 10% instead.


 77, 51.834,
316.781


 77, 51.834,
316.781


 100, 51.834,
316.781


 67, 51.834,
316.781


 97, 51.834,
316.781

 57, 51.834,
316.781

 47, 51.834,
316.781

 37, 51.834,
316.781

 27, 51.834,
316.781

 17, 51.834,
316.781

 7, 51.834, 316.781

■ 0, 51.834, 316.781

■ 77, 51.834,
316.781

■ 77, 51.834,
316.781

■ 71, 66.128,
317.485

■ 83, 36.170,
316.636

■ 65, 80.418,
317.829

■ 90, 21.185,
316.190

■ 60, 93.523,
318.058

■ 97, 6.451, 315.737

■ 55, 104.691,
318.110

100, 0.012,
296.813

■ 51, 113.131,
317.916

■ 49, 118.287,
317.415

■ 48,119.988,
317.028

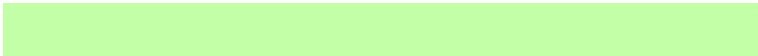
Harmonies

Complementary

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



77, 51.834, 316.781



94, 49.903, 133.893

Rectangle

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



77, 51.834, 316.781



77, 51.834, 6.781



77, 51.834, 136.781



77, 51.834, 186.781

Sweetspot

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



77, 51.241, 317.076



93, 14.601, 315.993



79, 32.862, 277.982



49, 9.976, 316.055



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 51.241, 317.076



73, 61.045, 317.349



79, 48.417, 332.165



50, 8.297, 315.970



36, 96.547, 317.194



8, 44.123, 318.372

Inverse Universe

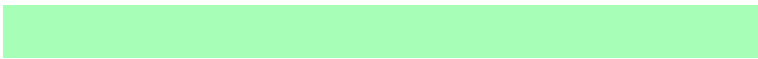
The Inverse Universe completely reimagines the original color for something new.



78, 35.853, 359.647



74, 42.906, 0.721



93, 48.271, 147.225



50, 5.679, 356.490



40, 70.526, 20.839



10, 31.442, 12.421

Previews

White Background



This preview shows how the CIELCh color 77, 51.834, 316.781 looks on a white background.

Color Contrast Check

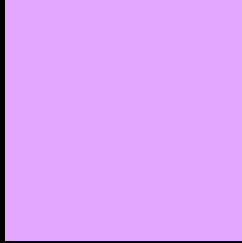
Large Text (above 18pt) WCAG AA × Fail

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 77, 51.834, 316.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

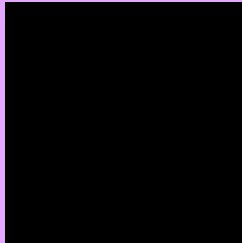
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 51.834, 316.781

Background



This preview shows how black text looks on a background with the CIELCh color 77, 51.834, 316.781.

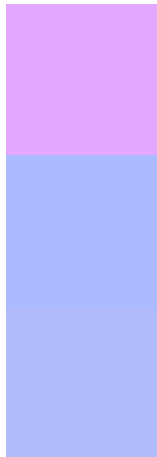


This preview shows how white text looks on a background with the CIELCh color 77, 51.834, 316.781.

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
77, 51.320, 317.011

Protanopia
77, 36.202, 284.643

Deuteranopia
77, 34.469, 287.033



Tritanopia
77, 16.408, 353.730

Trichromacy



Original Color
77, 51.320, 317.011



Protanomaly
77, 40.624, 298.671



Deuteranomaly
77, 39.128, 300.182



Tritanomaly
77, 27.734, 329.378

Monochromacy



Original Color
77, 51.320, 317.011



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 18.943, 315.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 51.834, 316.781 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(228, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 167, 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(228, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 167, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 51.834, 316.781 is called "border". The border property can be set on classes, ids or directly on the HTML element.

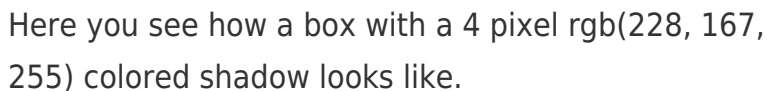
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 167, 255) }
```

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

```
.border{ border-color:rgb(228, 167, 255) }
```

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



Here you see how a box with a 4 pixel rgb(228, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 167,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 51.834, 316.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 167, 255) }
```

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

```
.background{ background-color: rgb(228,  
167, 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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