

Converting Colors

CIELCh(77, 42.688, 309.583)

Have a look what the booklet for
CIELCh(77, 42.688, 309.583)
contains.

CIELCh(77, 42.697, 309.688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 42.697, 309.688)

Conversions

Conversions Part 1

Format	Color
Hex	D3AFFB
RGB	211, 175, 251
RGB Percent	83%, 69%, 98%
CMY	0.1722, 0.3133, 0.0153
CMYK	0.16, 0.30, 0.00, 0.02
HSL	268°, 91%, 84%
HSV	268°, 30%, 98%
XYZ	59.6693, 51.5317, 98.1527
YIQ	194.4280, -2.9400, 31.2680

Conversions

Conversions Part 2

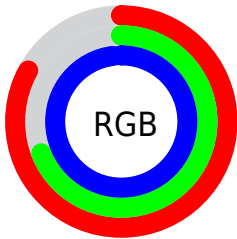
Format	Color
R _Y B	211, 175, 251
Decimal	13873147
CIE Lab	77.00, 27.27, -32.86
CIE LCh	77, 42.697, 309.688
Yxy	51.5317, 0.2850, 0.2461
Android (android.graphics.Color)	4292063227 (0xFFD3AFFB)
YUV	194.4280, 27.8900, 14.5336
Hunter-Lab	71.7856, 22.7472, -30.8175

Details

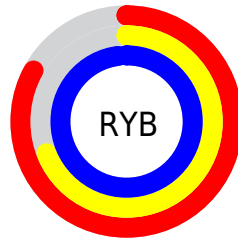
The CIELCh color $77, 42.697, 309.688$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $95, 40.797, 126.698$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.992, 324.942$, and $57, 42.680, 309.552$ is the 20% darker color. If you saturate the color by 10%, you get $70, 57.416, 310.268$, and if you desaturate by 10%, it is $84, 28.213, 309.132$.

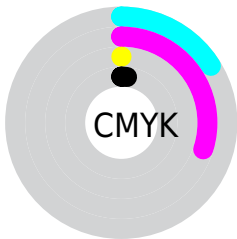
Distribution



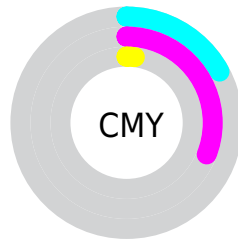
- Red (83%)
- Green (69%)
- Blue (98%)



- Red (83%)
- Yellow (69%)
- Blue (98%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)





- Cyan (17%)
- Magenta (31%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 42.697, 309.688 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, 42.697, 309.688 by changing the saturation by 10% instead.

 77, 42.697,
309.688


 77, 42.697,
309.688


 100, 42.697,
309.688


 67, 42.697,
309.688

 97, 42.697,
309.688

 57, 42.697,
309.688

 47, 42.697,
309.688

 37, 42.697,
309.688

 27, 42.697,
309.688

 17, 42.697,
309.688

 7, 42.697, 309.688

■ 0, 42.697, 309.688

■ 77, 42.697,
309.688

■ 77, 42.697,
309.688

■ 70, 57.416,
310.268

■ 84, 28.213,
309.132

■ 63, 72.151,
310.843

■ 91, 14.087,
308.614

■ 57, 86.501,
311.364

■ 98, 0.373, 307.808

■ 51, 99.817,
311.755

■ 100, 1.965,
109.992

■ 46, 111.170,
311.908

■ 42, 119.484,
311.695

■ 39,124.299,
311.103

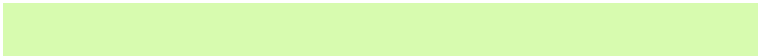
Harmonies

Complementary

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



77, 42.697, 309.688



95, 40.797, 126.698

Rectangle

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



77, 42.697, 309.688



77, 42.697, 359.688



77, 42.697, 129.688



77, 42.697, 179.688

Sweetspot

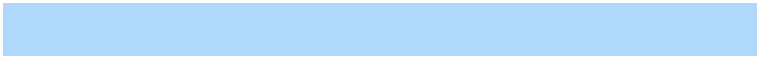
The Sweet Spot groups the original color and five complimentary colors.



77, 42.695, 309.688



93, 12.480, 308.551



84, 22.253, 256.427



49, 8.690, 308.623



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, 42.695, 309.688



74, 51.759, 310.020



81, 47.300, 325.136



48, 7.760, 308.575



29, 100.087, 311.299



5, 43.217, 311.930

Inverse Universe

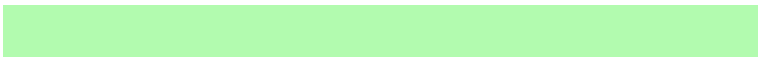
The Inverse Universe completely reimagines the original color for something new.



80, 34.690, 345.026



77, 41.771, 345.675



92, 47.222, 141.511



49, 6.390, 342.998



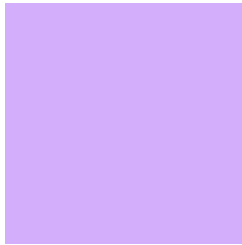
41, 67.926, 359.587



10, 31.335, 354.168

Previews

White Background



This preview shows how the CIELCh color 77, 42.697, 309.688 looks on a white background.

Color Contrast Check

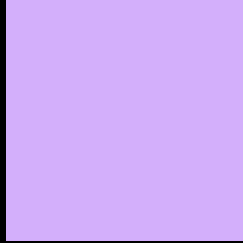
Large Text (above 18pt) WCAG AA × Fail

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, 42.697, 309.688 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, 42.697, 309.688

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.697, 309.688.




This preview shows how white text looks on a background with the CIELCh color 77, 42.697, 309.688.

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
77, 10.455, 329.896

Trichromacy



Original Color
77, 42.697, 309.688

Protanomaly
77, 38.231, 295.003

Deuteranomaly
77, 36.143, 296.435

Tritanomaly
77, 22.357, 315.113

Monochromacy



Original Color
77, 42.697, 309.688

Achromatopsia
79, 0.010, 296.813

Achromatomaly
78, 15.262, 308.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.697, 309.688 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(211, 175, 251)` looks like.

```
.text, #text, p{  
    color:rgb(211, 175, 251)  
}
```

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(211, 175, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 175, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.697, 309.688 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(211, 175, 251) }
```

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

```
.border{ border-color:rgb(211, 175, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 175, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 175, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 175, 251);  
box-shadow:4px 4px 4px 4px rgb(211, 175,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.697, 309.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 175, 251) }
```

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

```
.background{ background-color: rgb(211,  
175, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor