

Converting Colors

CIELCh(80, 74.920, 301.443)

Have a look what the booklet for
CIELCh(80, 74.920, 301.443)
contains.

CIELCh(77, 42.335, 304.711)	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, 42.335, 304.711)

Conversions

Conversions Part 1

Format	Color
Hex	CBB2FF
RGB	203, 178, 255
RGB Percent	80%, 70%, 100%
CMY	0.2054, 0.3034, 0.0015
CMYK	0.20, 0.30, 0.00, 0.00
HSL	259°, 99%, 85%
HSV	259°, 30%, 100%
XYZ	58.3580, 51.5317, 101.1456
YIQ	194.2530, -9.8170, 29.2470

Conversions

Conversions Part 2

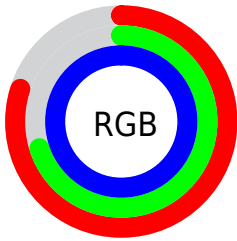
Format	Color
R _Y B	203, 178, 255
Decimal	13349631
CIE Lab	77.00, 24.11, -34.80
CIE LCh	77, 42.335, 304.711
Yxy	51.5317, 0.2765, 0.2442
Android (android.graphics.Color)	4291539711 (0xFFCBB2FF)
YUV	194.2530, 29.9483, 7.6711
Hunter-Lab	71.7856, 19.4866, -33.2894

Details

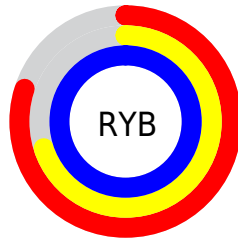
The CIELCh color $77, 42.335, 304.711$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $97, 39.891, 121.014$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 13.109, 324.873$, and $57, 42.472, 304.890$ is the 20% darker color. If you saturate the color by 10%, you get $70, 57.219, 305.523$, and if you desaturate by 10%, it is $85, 27.855, 303.971$.

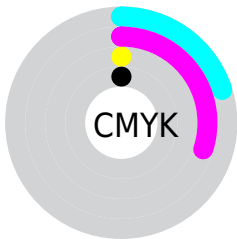
Distribution



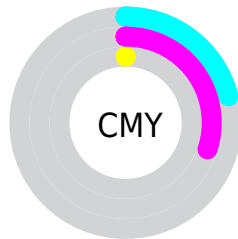
- Red (80%)
- Green (70%)
- Blue (100%)



- Red (80%)
- Yellow (70%)
- Blue (100%)



- Cyan (20%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.335, 304.711 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, 42.335, 304.711 by changing the saturation by 10% instead.


 77, 42.335,
304.711


 77, 42.335,
304.711


 100, 42.335,
304.711


 67, 42.335,
304.711


 97, 42.335,
304.711

 57, 42.335,
304.711

 47, 42.335,
304.711

 37, 42.335,
304.711

 27, 42.335,
304.711

 17, 42.335,
304.711

 7, 42.335, 304.711

■ 0, 42.335, 304.711

■ 77, 42.335,
304.711

■ 77, 42.335,
304.711

■ 70, 57.219,
305.523

■ 85, 27.855,
303.971

■ 62, 72.357,
306.386

■ 92, 13.845,
303.310

■ 55, 87.418,
307.252

■ 100, 0.319,
302.519

■ 49, 101.781,
308.035

■ 100, 0.188,
109.753

■ 43, 114.410,
308.598

■ 39, 123.915,
308.764

■ 36,129.453,
308.475

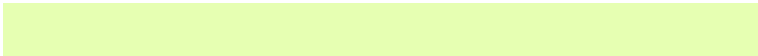
Harmonies

Complementary

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



77, 42.335, 304.711



97, 39.891, 121.014

Rectangle

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



77, 42.335, 304.711



77, 42.335, 354.711



77, 42.335, 124.711



77, 42.335, 174.711

Sweetspot

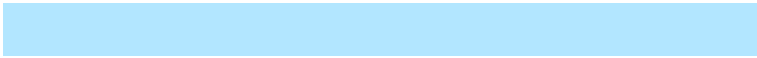
The Sweet Spot groups the original color and five complimentary colors.



77, 42.333, 304.711



93, 12.169, 303.234



89, 20.586, 236.919



49, 8.477, 303.324



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, 42.333, 304.711



73, 50.942, 305.172



80, 46.045, 320.673



49, 7.694, 303.265



26, 104.172, 308.637



5, 44.796, 308.294

Inverse Universe

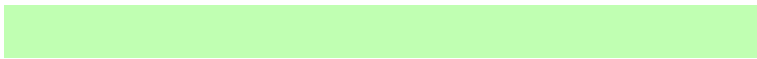
The Inverse Universe completely reimagines the original color for something new.



81, 38.613, 337.580



78, 45.927, 338.082



94, 45.477, 137.656



50, 7.212, 335.935



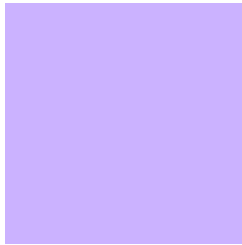
42, 73.195, 346.798



11, 34.510, 343.883

Previews

White Background



This preview shows how the CIELCh color 77, 42.335, 304.711 looks on a white background.

Color Contrast Check

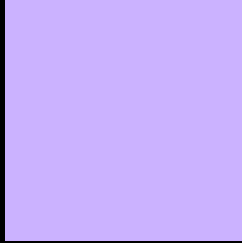
Large Text (above 18pt) WCAG AA × Fail

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, 42.335, 304.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

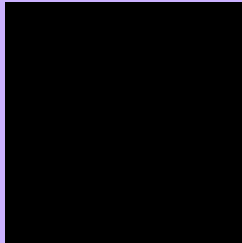
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.335, 304.711

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.335, 304.711.

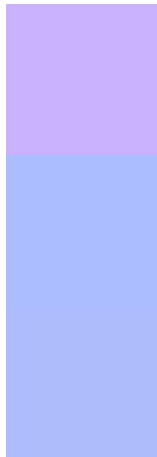


This preview shows how white text looks on a background with the CIELCh color 77, 42.335, 304.711.

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, 42.335, 304.711

Protanopia
77, 36.167, 285.108

Deuteranopia
77, 35.552, 286.855



Tritanopia
77, 8.290, 303.449

Trichromacy



Original Color
77, 42.335, 304.711



Protanomaly
77, 38.170, 292.658



Deuteranomaly
77, 37.640, 293.542



Tritanomaly
77, 20.946, 303.435

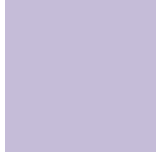
Monochromacy



Original Color
77, 42.335, 304.711



Achromatopsia
78, 0.009, 296.813



Achromatomaly
78, 15.413, 303.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.335, 304.711 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(203, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 178, 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(203, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 178, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.335, 304.711 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(203, 178, 255) }
```

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

```
.border{ border-color:rgb(203, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 178,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.335, 304.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 178, 255) }
```

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

```
.background{ background-color: rgb(203,  
178, 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](#).

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