

Converting Colors

CIELCh(77, 43.378, 305.099)

Have a look what the booklet for
CIELCh(77, 43.378, 305.099)
contains.

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Color

CIELCh(77, 42.951, 305.031)

Conversions

Conversions Part 1

Format	Color
Hex	CBB1FF
RGB	203, 177, 255
RGB Percent	80%, 69%, 100%
CMY	0.2028, 0.3048, 0.0000
CMYK	0.20, 0.30, 0.00, 0.00
HSL	260°, 100%, 85%
HSV	260°, 30%, 100%
XYZ	58.5839, 51.5317, 101.7208
YIQ	193.6660, -9.5420, 29.7700

Conversions

Conversions Part 2

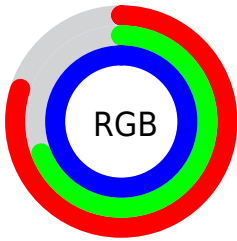
Format	Color
R _Y B	203, 177, 255
Decimal	13349375
CIE Lab	77.00, 24.65, -35.17
CIE LCh	77, 42.951, 305.031
Yxy	51.5317, 0.2766, 0.2433
Android (android.graphics.Color)	4291539455 (0xFFCBB1FF)
YUV	193.6660, 30.2377, 8.1859
Hunter-Lab	71.7856, 20.0482, -33.7644

Details

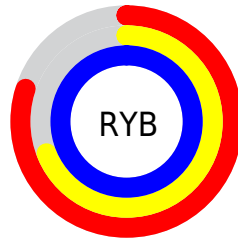
The CIELCh color $77, 42.951, 305.031$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $97, 40.336, 121.401$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 13.736, 324.896$, and $57, 43.120, 305.230$ is the 20% darker color. If you saturate the color by 10%, you get $70, 57.704, 305.862$, and if you desaturate by 10%, it is $85, 28.276, 304.341$.

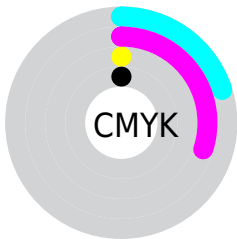
Distribution



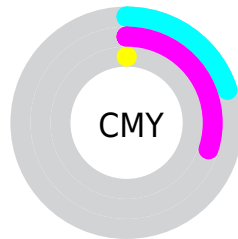
- Red (80%)
- Green (69%)
- Blue (100%)



- Red (80%)
- Yellow (69%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.951, 305.031 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, 42.951, 305.031 by changing the saturation by 10% instead.


 77, 42.951,
305.031


 77, 42.951,
305.031


 100, 42.951,
305.031


 67, 42.951,
305.031


 97, 42.951,
305.031

 57, 42.951,
305.031

 47, 42.951,
305.031

 37, 42.951,
305.031

 27, 42.951,
305.031

 17, 42.951,
305.031

 7, 42.951, 305.031

■ 0, 42.951, 305.031

■ 77, 42.951,
305.031

■ 77, 42.951,
305.031

■ 70, 57.704,
305.862

■ 85, 28.276,
304.341

■ 62, 72.848,
306.702

■ 92, 14.222,
303.690

■ 55, 87.883,
307.539

■ 100, 0.647,
303.011

■ 49, 102.177,
308.287

■ 100, 0.012,
296.813

■ 43, 114.688,
308.808

■ 39, 124.043,
308.929

■ 36,129.370,
308.616

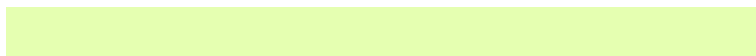
Harmonies

Complementary

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



77, 42.951, 305.031



97, 40.336, 121.401

Rectangle

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



77, 42.951, 305.031



77, 42.951, 355.031



77, 42.951, 125.031



77, 42.951, 175.031

Sweetspot

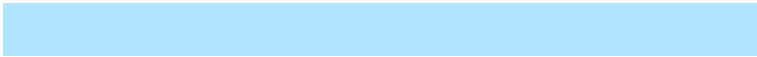
The Sweet Spot groups the original color and five complimentary colors.



77, 42.793, 305.068



93, 12.187, 303.600



88, 20.853, 239.255



49, 8.489, 303.689



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, 42.793, 305.068



72, 52.482, 305.579



81, 46.659, 321.192



49, 7.705, 303.631



26, 103.981, 308.782



5, 44.813, 308.539

Inverse Universe

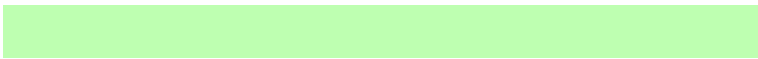
The Inverse Universe completely reimagines the original color for something new.



81, 38.709, 338.057



77, 46.855, 338.637



94, 46.143, 138.095



50, 7.161, 336.366



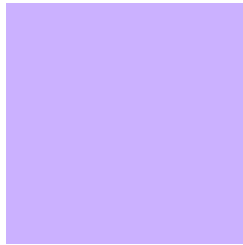
42, 72.762, 347.584



11, 34.311, 344.528

Previews

White Background



This preview shows how the CIELCh color 77, 42.951, 305.031 looks on a white background.

Color Contrast Check

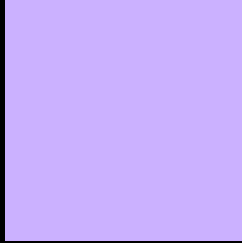
Large Text (above 18pt) WCAG AA × Fail

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, 42.951, 305.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

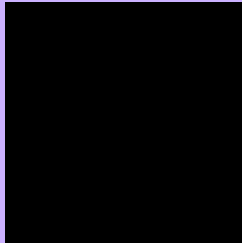
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.951, 305.031

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.951, 305.031.

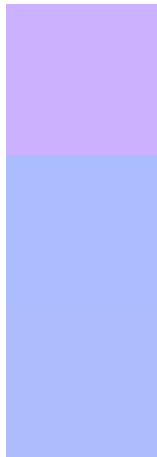


This preview shows how white text looks on a background with the CIELCh color 77, 42.951, 305.031.

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, 42.951, 305.031

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 35.552, 286.855



Tritanopia
77, 7.862, 306.854

Trichromacy



Original Color
77, 42.951, 305.031

Protanomaly
77, 38.170, 293.121

Deuteranomaly
77, 38.222, 294.535

Tritanomaly
77, 20.496, 304.671

Monochromacy



Original Color
77, 42.951, 305.031

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, 42.951, 305.031 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, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 177, 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, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.951, 305.031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

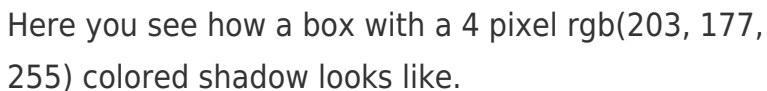
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 177, 255) }
```

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

```
.border{ border-color:rgb(203, 177, 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, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 177,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.951, 305.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 177, 255) }
```

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

```
.background{ background-color: rgb(203,  
177, 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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