

Converting Colors

CIELCh(77, 36.661, 304.772)

Have a look what the booklet for
CIELCh(77, 36.661, 304.772)
contains.

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Color

CIELCh(77, 36.981, 305.113)

Conversions

Conversions Part 1

Format	Color
Hex	CAB3F6
RGB	202, 179, 246
RGB Percent	79%, 70%, 96%
CMY	0.2073, 0.2975, 0.0347
CMYK	0.18, 0.27, 0.00, 0.03
HSL	261°, 79%, 83%
HSV	261°, 27%, 97%
XYZ	57.1975, 51.5317, 94.2348
YIQ	193.5150, -7.7990, 25.7130

Conversions

Conversions Part 2

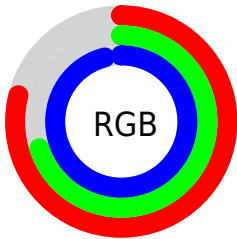
Format	Color
R _Y B	202, 179, 246
Decimal	13284342
CIE Lab	77.00, 21.27, -30.25
CIE LCh	77, 36.981, 305.113
Yxy	51.5317, 0.2818, 0.2539
Android (android.graphics.Color)	4291474422 (0xFFCAB3F6)
YUV	193.5150, 25.8751, 7.4413
Hunter-Lab	71.7856, 16.6008, -27.5816

Details

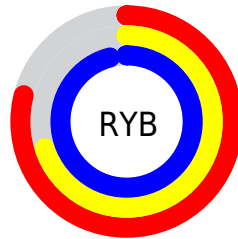
The CIELCh color `77, 36.981, 305.113` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 35.130, 121.926`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 12.482, 324.851`, and `57, 36.826, 305.197` is the 20% darker color. If you saturate the color by 10%, you get `70, 51.356, 305.870`, and if you desaturate by 10%, it is `84, 23.007, 304.424`.

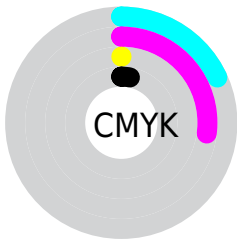
Distribution



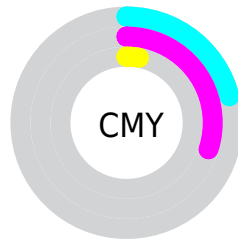
- Red (79%)
- Green (70%)
- Blue (96%)



- Red (79%)
- Yellow (70%)
- Blue (96%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (3%)





- Cyan (21%)
- Magenta (30%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 36.981, 305.113 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, 36.981, 305.113 by changing the saturation by 10% instead.


 77, 36.981,
305.113


 77, 36.981,
305.113


 100, 36.981,
305.113


 67, 36.981,
305.113


 97, 36.981,
305.113

 57, 36.981,
305.113

 47, 36.981,
305.113

 37, 36.981,
305.113

 27, 36.981,
305.113

 17, 36.981,
305.113

 7, 36.981, 305.113

0, 36.981, 305.113

77, 36.981,
305.113

77, 36.981,
305.113

70, 51.356,
305.870

84, 23.007,
304.424

63, 66.014,
306.679

92, 9.488, 303.807

56, 80.687,
307.500

99, 3.570, 123.297

100, 4.480,
109.826

49, 94.870,
308.263

44, 107.696,
308.850

39, 117.925,
309.099

■ 36,124.358,
308.859

■ 35,125.722,
308.760

Harmonies

Complementary

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



77, 36.981, 305.113



94, 35.130, 121.926

Rectangle

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



77, 36.981, 305.113



77, 36.981, 355.113



77, 36.981, 125.113



77, 36.981, 175.113

Sweetspot

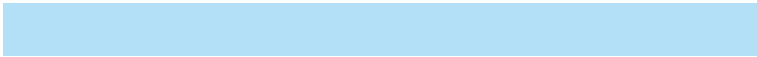
The Sweet Spot groups the original color and five complimentary colors.



77, 36.979, 305.113



94, 10.829, 303.854



87, 18.258, 238.748



49, 7.715, 303.943



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, 36.979, 305.113



75, 46.562, 305.547



80, 40.484, 321.043



47, 7.460, 303.941



26, 101.724, 308.928



4, 40.997, 307.844

Inverse Universe

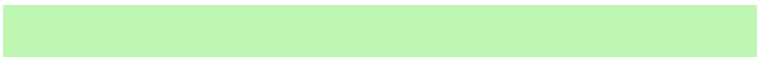
The Inverse Universe completely reimagines the original color for something new.



80, 33.412, 338.166



80, 41.642, 338.676



92, 40.075, 138.314



48, 6.882, 336.737



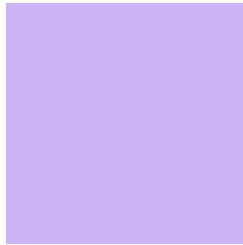
41, 70.987, 348.215



10, 32.438, 344.743

Previews

White Background



This preview shows how the CIELCh color 77, 36.981, 305.113 looks on a white background.

Color Contrast Check

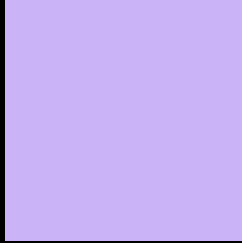
Large Text (above 18pt) WCAG AA × Fail

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, 36.981, 305.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

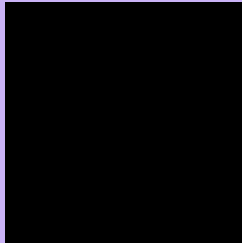
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 36.981, 305.113

Background



This preview shows how black text looks on a background with the CIELCh color 77, 36.981, 305.113.



This preview shows how white text looks on a background with the CIELCh color 77, 36.981, 305.113.

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, 36.981, 305.113

Protanopia
77, 35.082, 285.207

Deuteranopia
77, 31.179, 288.871



Tritanopia
77, 8.608, 310.528

Trichromacy



Original Color
77, 36.981, 305.113

Protanomaly
77, 35.468, 292.337

Deuteranomaly
77, 32.874, 295.376

Tritanomaly
77, 19.020, 306.728

Monochromacy



Original Color
77, 36.981, 305.113

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 13.230, 303.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 36.981, 305.113 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(202, 179, 246)` looks like.

```
.text, #text, p{  
    color:rgb(202, 179, 246)  
}
```

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(202, 179, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 179, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 36.981, 305.113 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(202, 179, 246) }
```

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

```
.border{ border-color:rgb(202, 179, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 179, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 179, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 179, 246);  
box-shadow:4px 4px 4px 4px rgb(202, 179,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 36.981, 305.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 179, 246) }
```

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

```
.background{ background-color: rgb(202,  
179, 246) }
```

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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