

Converting Colors

CIELCh(78, 37.532, 300.241)

Have a look what the booklet for
CIELCh(78, 37.532, 300.241)
contains.

| | |
|--|----|
| CIELCh(78, 37.398, 300.339) | 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(78, 37.398, 300.339)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C6B8FD |
| RGB | 198, 184, 253 |
| RGB Percent | 78%, 72%, 99% |
| CMY | 0.2246, 0.2795, 0.0090 |
| CMYK | 0.22, 0.27, 0.00, 0.01 |
| HSL | 252°, 94%, 86% |
| HSV | 252°, 27%, 99% |
| XYZ | 57.9854, 53.2120, 99.9063 |
| YIQ | 196.0520, -13.8050, 24.4270 |

Conversions

Conversions Part 2

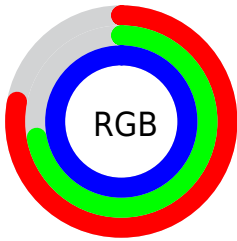
| Format | Color |
|-------------------------------------|--|
| RYB | 198, 184, 253 |
| Decimal | 13023485 |
| CIELab | 78.00, 18.89, -32.28 |
| CIELCh | 78, 37.398, 300.339 |
| Yxy | 53.2120, 0.2747, 0.2521 |
| Android (android.graphics.Color) | 4291213565 (0xFFC6B8FD) |
| YUV | 196.0520, 28.0754, 1.7084 |
| Hunter-Lab | 72.9466, 14.2336, -30.1399 |

Details

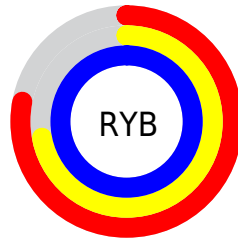
The CIELCh color `78, 37.398, 300.339` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 35.190, 116.223`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `96, 9.351, 324.734`, and `58, 37.306, 300.290` is the 20% darker color. If you saturate the color by 10%, you get `70, 52.073, 301.387`, and if you desaturate by 10%, it is `86, 23.243, 299.417`.

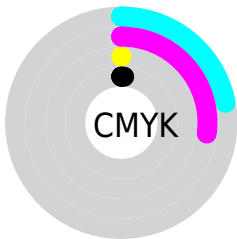
Distribution



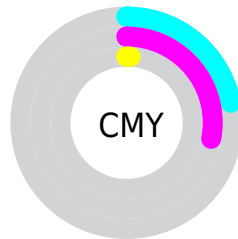
- Red (78%)
- Green (72%)
- Blue (99%)



- Red (78%)
- Yellow (72%)
- Blue (99%)



- Cyan (22%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)





- Cyan (22%)
- Magenta (28%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 37.398, 300.339 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 78, 37.398, 300.339 by changing the saturation by 10% instead.


 78, 37.398,
300.339


 78, 37.398,
300.339


 100, 37.398,
300.339


 68, 37.398,
300.339


 98, 37.398,
300.339

 58, 37.398,
300.339

 48, 37.398,
300.339

 38, 37.398,
300.339

 28, 37.398,
300.339

 18, 37.398,
300.339

 8, 37.398, 300.339

0, 37.398, 300.339

78, 37.398,
300.339

78, 37.398,
300.339

70, 52.073,
301.387

86, 23.243,
299.417

63, 67.203,
302.554

94, 9.622, 298.615

55, 82.577,
303.806

100, 1.147,
110.025

48, 97.714,
305.065

42, 111.665,
306.184

37, 122.893,
306.947

■ 34, 129.763,
307.142

■ 34, 131.108,
307.155

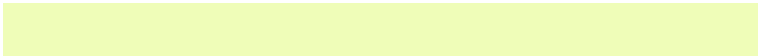
Harmonies

Complementary

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



78, 37.398, 300.339



97, 35.190, 116.223

Rectangle

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



78, 37.398, 300.339



78, 37.398, 350.339



78, 37.398, 120.339



78, 37.398, 170.339

Sweetspot

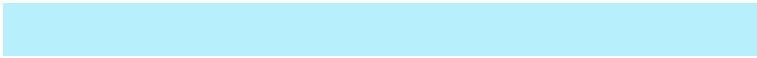
The Sweet Spot groups the original color and five complimentary colors.



78, 37.396, 300.339



94, 10.642, 298.668



91, 18.938, 220.698



49, 7.584, 298.782



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 37.396, 300.339



74, 46.043, 300.923



81, 40.216, 316.911



49, 7.584, 298.782



24, 106.148, 307.266



4, 44.564, 305.603

Inverse Universe

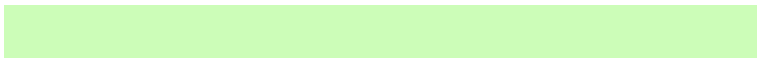
The Inverse Universe completely reimagines the original color for something new.



82, 37.702, 332.393



80, 45.817, 332.789



94, 39.396, 134.432



50, 7.867, 331.197



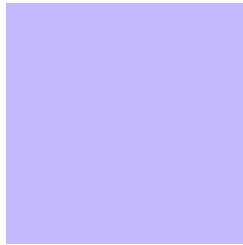
43, 79.513, 338.358



11, 37.255, 336.896

Previews

White Background



This preview shows how the CIELCh color 78, 37.398, 300.339 looks on a white background.

Color Contrast Check

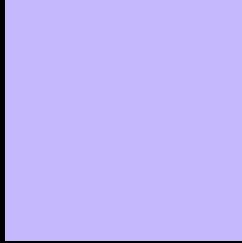
Large Text (above 18pt) WCAG AA × Fail

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 78, 37.398, 300.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

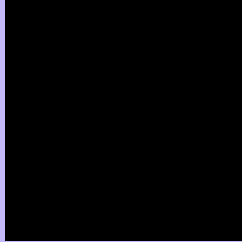
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 37.398, 300.339

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.398, 300.339.

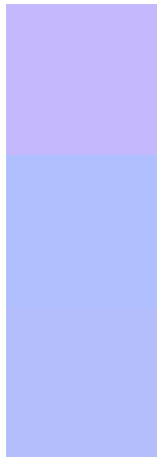


This preview shows how white text looks on a background with the CIELCh color 78, 37.398, 300.339.

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

78, 37.398, 300.339

Protanopia

78, 34.459, 284.951

Deuteranopia

78, 33.266, 287.706



Tritanopia
78, 8.092, 283.356

Trichromacy



Original Color
78, 37.398, 300.339

Protanomaly
78, 35.380, 290.779

Deuteranomaly
78, 34.302, 292.165

Tritanomaly
78, 18.832, 295.004

Monochromacy



Original Color
78, 37.398, 300.339

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 13.526, 298.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.398, 300.339 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(198, 184, 253)` looks like.

```
.text, #text, p{  
    color:rgb(198, 184, 253)  
}
```

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(198, 184, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 184, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.398, 300.339 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(198, 184, 253) }
```

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

```
.border{ border-color:rgb(198, 184, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 184, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 184, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 184, 253);  
box-shadow:4px 4px 4px 4px rgb(198, 184,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.398, 300.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 184, 253) }
```

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

```
.background{ background-color: rgb(198,  
184, 253) }
```

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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