

Converting Colors

CIELCh(77, 44.156, 300.644)

Have a look what the booklet for
CIELCh(77, 44.156, 300.644)
contains.

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Color

CIELCh(77, 41.352, 300.849)

Conversions

Conversions Part 1

Format	Color
Hex	C4B4FF
RGB	196, 180, 255
RGB Percent	77%, 71%, 100%
CMY	0.2322, 0.2950, 0.0000
CMYK	0.23, 0.30, 0.00, 0.00
HSL	253°, 100%, 85%
HSV	253°, 30%, 100%
XYZ	57.1703, 51.5317, 102.2391
YIQ	193.3340, -14.5390, 26.7170

Conversions

Conversions Part 2

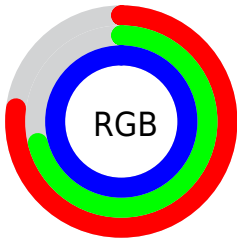
Format	Color
R_{YB}	196, 180, 255
Decimal	12891391
CIE _{Lab}	77.00, 21.20, -35.50
CIE _{LCh}	77, 41.352, 300.849
Yxy	51.5317, 0.2710, 0.2443
Android (android.graphics.Color)	4291081471 (0xFFC4B4FF)
YUV	193.3340, 30.4013, 2.3381
Hunter-Lab	71.7856, 16.5333, -34.1925

Details

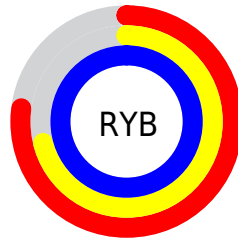
The CIELCh color $77, 41.352, 300.849$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $97, 38.307, 116.499$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 11.662, 323.388$, and $57, 40.909, 300.992$ is the 20% darker color. If you saturate the color by 10%, you get $69, 55.808, 301.954$, and if you desaturate by 10%, it is $85, 26.533, 299.973$.

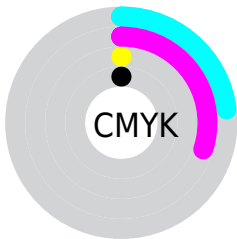
Distribution



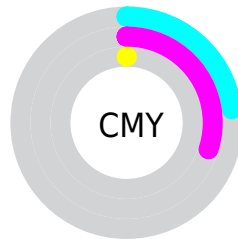
- Red (77%)
- Green (71%)
- Blue (100%)



- Red (77%)
- Yellow (71%)
- Blue (100%)



- Cyan (23%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 41.352, 300.849 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, 41.352, 300.849 by changing the saturation by 10% instead.

 77, 41.352,
300.849

 77, 41.352,
300.849

 100, 41.352,
300.849

 67, 41.352,
300.849


 97, 41.352,
300.849

 57, 41.352,
300.849

 47, 41.352,
300.849

 37, 41.352,
300.849

 27, 41.352,
300.849

 17, 41.352,
300.849

 7, 41.352, 300.849

■ 0, 41.352, 300.849

■ 77, 41.352,
300.849

■ 77, 41.352,
300.849

■ 69, 55.808,
301.954

■ 85, 26.533,
299.973

■ 62, 71.114,
303.114

■ 93, 12.685,
299.162

■ 54, 86.572,
304.340

■ 100, 0.012,
296.813

■ 47, 101.609,
305.541

■ 41, 115.142,
306.557

■ 37, 125.546,
307.166

■ 34, 131.595,
307.234

■ 34, 131.845,
307.237

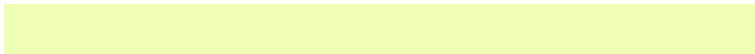
Harmonies

Complementary

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



77, 41.352, 300.849



97, 38.307, 116.499

Rectangle

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



77, 41.352, 300.849



77, 41.352, 350.849



77, 41.352, 120.849



77, 41.352, 170.849

Sweetspot

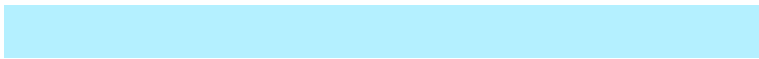
The Sweet Spot groups the original color and five complimentary colors.



77, 40.915, 300.903



93, 12.006, 299.124



91, 20.451, 220.855



49, 8.365, 299.235



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, 40.915, 300.903



73, 49.046, 301.466



80, 43.837, 317.009



49, 7.591, 299.162



24, 106.009, 307.355



4, 44.584, 305.806

Inverse Universe

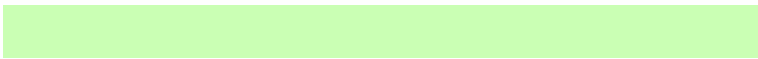
The Inverse Universe completely reimagines the original color for something new.



82, 40.734, 332.929



79, 48.190, 333.319



95, 42.872, 134.311



50, 7.810, 331.563



43, 78.916, 338.993



11, 37.003, 337.427

Previews

White Background



This preview shows how the CIELCh color 77, 41.352, 300.849 looks on a white background.

Color Contrast Check

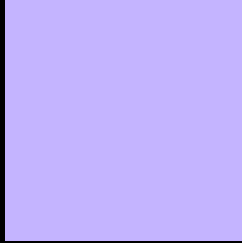
Large Text (above 18pt) WCAG AA × Fail

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, 41.352, 300.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

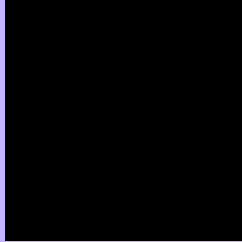
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 41.352, 300.849

Background



This preview shows how black text looks on a background with the CIELCh color 77, 41.352, 300.849.

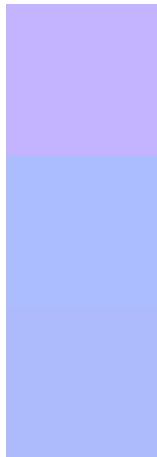


This preview shows how white text looks on a background with the CIELCh color 77, 41.352, 300.849.

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, 40.786, 300.904

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 35.580, 286.373



Tritanopia
77, 8.115, 283.371

Trichromacy



Original Color
77, 40.786, 300.904

Protanomaly
77, 37.613, 291.176

Deuteranomaly
77, 37.639, 292.128

Tritanomaly
77, 19.984, 295.918

Monochromacy



Original Color
78, 40.786, 300.904

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 15.224, 299.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 41.352, 300.849 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(196, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 180, 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(196, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 180, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 41.352, 300.849 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(196, 180, 255) }
```

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

```
.border{ border-color:rgb(196, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 180,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 41.352, 300.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 180, 255) }
```

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

```
.background{ background-color: rgb(196,  
180, 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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