

Converting Colors

CIELCh(84, 31.515, 308.431)

Have a look what the booklet for
CIELCh(84, 31.515, 308.431)
contains.

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Color

CIELCh(84, 30.978, 308.905)

Conversions

Conversions Part 1

Format	Color
Hex	E1C7FF
RGB	225, 199, 255
RGB Percent	88%, 78%, 100%
CMY	0.1177, 0.2196, 0.0000
CMYK	0.12, 0.22, 0.00, 0.00
HSL	268°, 100%, 89%
HSV	268°, 22%, 100%
XYZ	69.5157, 64.0658, 103.2984
YIQ	213.1580, -2.4800, 22.9280

Conversions

Conversions Part 2

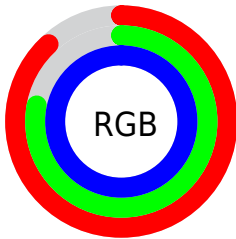
Format	Color
R _Y B	225, 199, 255
Decimal	14796799
CIE Lab	84.00, 19.46, -24.11
CIE LCh	84, 30.978, 308.905
Yxy	64.0658, 0.2935, 0.2705
Android (android.graphics.Color)	4292986879 (0xFFE1C7FF)
YUV	213.1580, 20.6281, 10.3854
Hunter-Lab	80.0411, 14.9553, -20.4890

Details

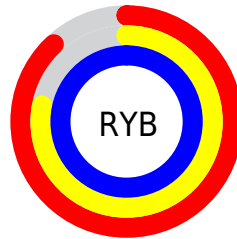
The CIELCh color **84, 30.978, 308.905** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97, 29.974, 126.769**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **64, 30.882, 308.768** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.680, 309.475**, and if you desaturate by 10%, it is **91, 16.626, 308.372**.

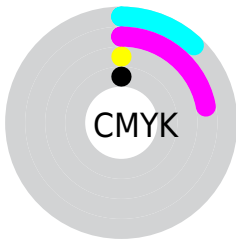
Distribution



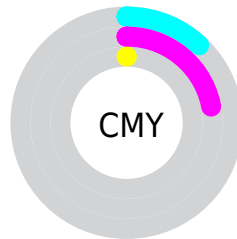
- Red (88%)
- Green (78%)
- Blue (100%)



- Red (88%)
- Yellow (78%)
- Blue (100%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 30.978, 308.905 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 84, 30.978, 308.905 by changing the saturation by 10% instead.


 84, 30.978,
308.905

 84, 30.978,
308.905


 100, 30.978,
308.905


 74, 30.978,
308.905

 64, 30.978,
308.905

 54, 30.978,
308.905

 44, 30.978,
308.905

 34, 30.978,
308.905

 24, 30.978,
308.905

 14, 30.978,

308.905

■ 4, 30.978, 308.905

■ 0, 30.978, 308.905

■ 84, 30.978,
308.905

■ 84, 30.978,
308.905

■ 77, 45.680,
309.475

■ 91, 16.626,
308.372

■ 70, 60.610,
310.069

■ 99, 2.692, 307.852

■ 63, 75.515,
310.655

100, 0.006,
304.290

■ 56, 89.957,
311.178

■ 51, 103.231,

311.556

■ 46, 114.342,
311.673

■ 42, 122.194,
311.401

■ 40, 126.023,
310.895

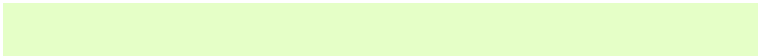
Harmonies

Complementary

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



84, 30.978, 308.905



97, 29.974, 126.769

Rectangle

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



84, 30.978, 308.905



84, 30.978, 358.905



84, 30.978, 128.905



84, 30.978, 178.905

Sweetspot

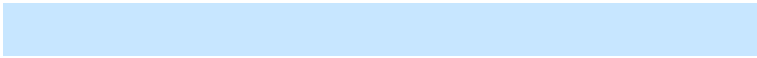
The Sweet Spot groups the original color and five complimentary colors.



84, 30.976, 308.904



95, 9.661, 308.122



90, 16.273, 252.918



50, 6.283, 308.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 30.976, 308.904



81, 36.881, 309.131



86, 34.625, 324.231



49, 7.875, 308.247



29, 101.307, 311.088



6, 44.921, 311.901

Inverse Universe

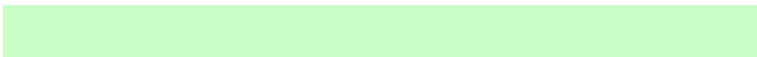
The Inverse Universe completely reimagines the original color for something new.



86, 25.544, 343.662



83, 30.311, 344.065



95, 34.534, 141.752



50, 6.539, 342.508



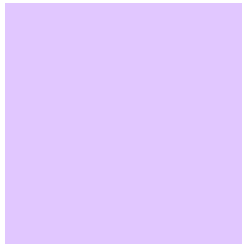
41, 68.764, 358.750



11, 32.251, 353.714

Previews

White Background



This preview shows how the CIELCh color 84, 30.978, 308.905 looks on a white background.

Color Contrast Check

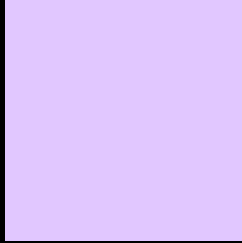
Large Text (above 18pt) WCAG AA × Fail

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 84, 30.978, 308.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

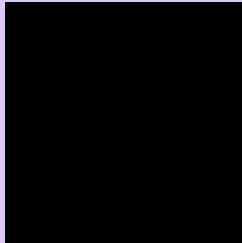
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 30.978, 308.905

Background



This preview shows how black text looks on a background with the CIELCh color 84, 30.978, 308.905.

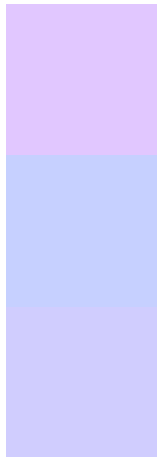


This preview shows how white text looks on a background with the CIELCh color 84, 30.978, 308.905.

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


84, 30.978, 308.905

Protanopia

84, 24.917, 284.792

Deuteranopia

84, 25.922, 294.543



Tritanopia
84, 9.869, 321.322

Trichromacy



Original Color
84, 30.978, 308.905

Protanomaly
84, 26.448, 294.537

Deuteranomaly
84, 27.270, 300.117

Tritanomaly
84, 17.130, 313.022

Monochromacy



Original Color
84, 30.978, 308.905

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 11.053, 307.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 30.978, 308.905 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(225, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 199, 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(225, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 199, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 30.978, 308.905 is called "border". The border property can be set on classes, ids or directly on the HTML element.

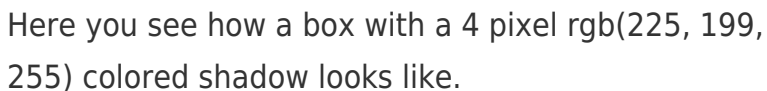
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 199, 255) }
```

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

```
.border{ border-color:rgb(225, 199, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 199, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 199, 255); box-shadow:4px 4px 4px 4px rgb(225, 199, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 30.978, 308.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 199, 255) }
```

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

```
.background{ background-color: rgb(225,  
199, 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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