

Converting Colors

CIELCh(85, 29.596, 308.940)

Have a look what the booklet for
CIELCh(85, 29.596, 308.940)
contains.

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Color

CIELCh(85, 29.307, 309.093)

Conversions

Conversions Part 1

Format	Color
Hex	E3CAFF
RGB	227, 202, 255
RGB Percent	89%, 79%, 100%
CMY	0.1086, 0.2066, 0.0000
CMYK	0.11, 0.21, 0.00, 0.00
HSL	268°, 100%, 90%
HSV	268°, 21%, 100%
XYZ	71.0713, 66.0070, 103.8723
YIQ	215.5170, -2.1130, 21.7830

Conversions

Conversions Part 2

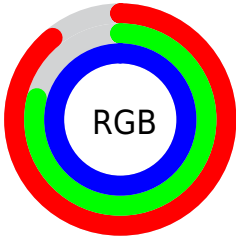
Format	Color
R _Y B	227, 202, 255
Decimal	14928639
CIE Lab	85.00, 18.48, -22.75
CIE LCh	85, 29.307, 309.093
Yxy	66.0070, 0.2950, 0.2739
Android (android.graphics.Color)	4293118719 (0xFFE3CAFF)
YUV	215.5170, 19.4651, 10.0706
Hunter-Lab	81.2447, 13.9702, -18.9317

Details

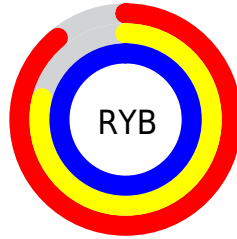
The CIELCh color `85, 29.307, 309.093` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 28.278, 127.208`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 29.106, 308.924` is the 20% darker color. If you saturate the color by 10%, you get `78, 43.823, 309.741`, and if you desaturate by 10%, it is `92, 14.824, 308.665`.

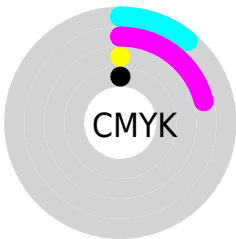
Distribution



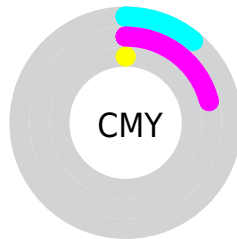
- Red (89%)
- Green (79%)
- Blue (100%)



- Red (89%)
- Yellow (79%)
- Blue (100%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.307, 309.093 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 85, 29.307, 309.093 by changing the saturation by 10% instead.


 85, 29.307,
309.093


 85, 29.307,
309.093


 100, 29.307,
309.093


 75, 29.307,
309.093

 65, 29.307,
309.093

 55, 29.307,
309.093

 45, 29.307,
309.093

 35, 29.307,
309.093

 25, 29.307,
309.093

 15, 29.307,

309.093

■ 5, 29.307, 309.093

■ 0, 29.307, 309.093

■ 85, 29.307,
309.093

■ 85, 29.307,
309.093

■ 78, 43.823,
309.741

■ 92, 14.824,
308.665

■ 71, 58.736,
310.321

■ 100, 0.918,
308.062

■ 64, 73.647,
310.894

■ 100, 0.012,
296.813

■ 57, 88.143,
311.411

■ 52, 101.554,

311.792

■ 46, 112.925,
311.929

■ 43, 121.170,
311.694

■ 40, 125.746,
311.113

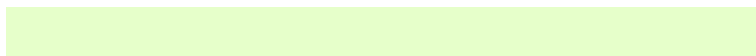
Harmonies

Complementary

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



85, 29.307, 309.093



97, 28.278, 127.208

Rectangle

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



85, 29.307, 309.093



85, 29.307, 359.093



85, 29.307, 129.093



85, 29.307, 179.093

Sweetspot

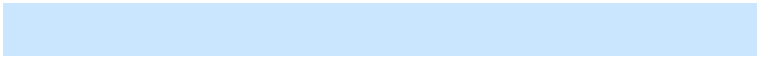
The Sweet Spot groups the original color and five complimentary colors.



85, 29.145, 309.185



96, 8.286, 308.433



90, 15.533, 254.668



50, 5.501, 308.466



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 29.145, 309.185



82, 35.473, 309.422



87, 32.728, 324.638



49, 7.891, 308.607



29, 101.084, 311.308



6, 44.918, 312.181

Inverse Universe

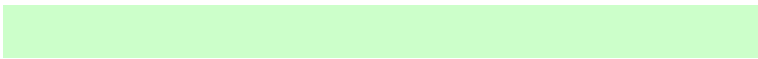
The Inverse Universe completely reimagines the original color for something new.



87, 23.854, 344.088



84, 28.941, 344.522



95, 32.666, 142.269



50, 6.493, 343.047



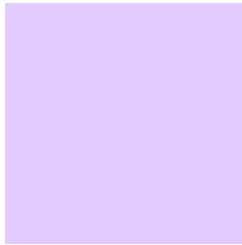
41, 68.587, 359.712



11, 32.132, 354.512

Previews

White Background



This preview shows how the CIELCh color 85, 29.307, 309.093 looks on a white background.

Color Contrast Check

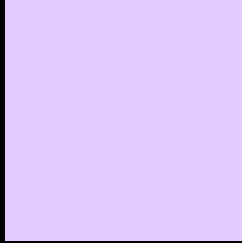
Large Text (above 18pt) WCAG AA × Fail

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 85, 29.307, 309.093 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

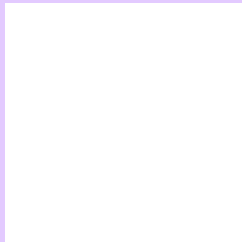
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 29.307, 309.093

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.307, 309.093.

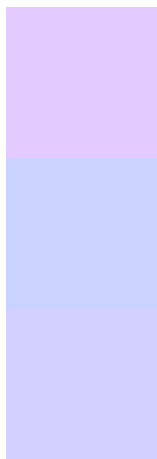


This preview shows how white text looks on a background with the CIELCh color 85, 29.307, 309.093.

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

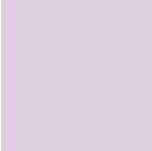
85, 29.307, 309.093

Protanopia

85, 23.261, 284.857

Deuteranopia

85, 24.299, 295.329



Tritanopia
85, 9.844, 321.317

Trichromacy



Original Color
85, 29.307, 309.093

Protanomaly
85, 24.804, 294.536

Deuteranomaly
85, 25.690, 301.237

Tritanomaly
85, 16.601, 313.681

Monochromacy



Original Color
85, 29.307, 309.093

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 10.524, 308.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.307, 309.093 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(227, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 202, 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(227, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.307, 309.093 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(227, 202, 255) }
```

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

```
.border{ border-color:rgb(227, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 202,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.307, 309.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 202, 255) }
```

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

```
.background{ background-color: rgb(227,  
202, 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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