

Converting Colors

CIELCh(85, 28.170, 309.050)

Have a look what the booklet for
CIELCh(85, 28.170, 309.050)
contains.

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Color

CIELCh(85, 28.188, 309.017)

Conversions

Conversions Part 1

Format	Color
Hex	E3CBFE
RGB	227, 203, 254
RGB Percent	89%, 80%, 100%
CMY	0.1109, 0.2050, 0.0050
CMYK	0.11, 0.20, 0.00, 0.01
HSL	268°, 95%, 90%
HSV	268°, 20%, 99%
XYZ	70.7267, 66.0070, 102.5408
YIQ	215.9900, -2.0670, 20.9490

Conversions

Conversions Part 2

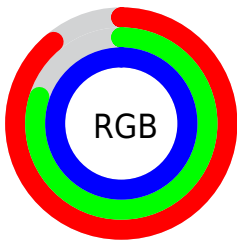
Format	Color
R _Y B	227, 203, 254
Decimal	14928894
CIE Lab	85.00, 17.75, -21.90
CIE LCh	85, 28.188, 309.017
Yxy	66.0070, 0.2956, 0.2759
Android (android.graphics.Color)	4293118974 (0xFFE3CBFE)
YUV	215.9900, 18.7389, 9.6558
Hunter-Lab	81.2447, 13.2131, -17.9599

Details

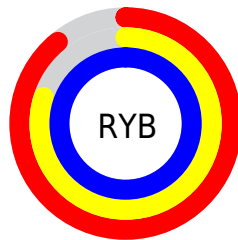
The CIELCh color `85, 28.188, 309.017` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 27.365, 127.090`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 27.927, 308.817` is the 20% darker color. If you saturate the color by 10%, you get `78, 42.781, 309.575`, and if you desaturate by 10%, it is `92, 13.955, 308.496`.

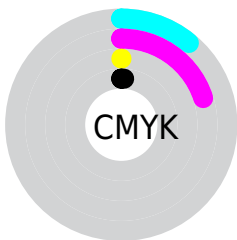
Distribution



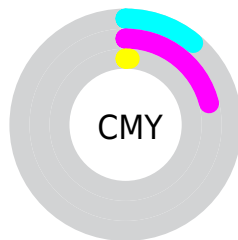
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)





- Cyan (11%)
- Magenta (21%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 28.188, 309.017 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, 28.188, 309.017 by changing the saturation by 10% instead.


 85, 28.188,
309.017


 85, 28.188,
309.017


 100, 28.188,
309.017


 75, 28.188,
309.017

 65, 28.188,
309.017

 55, 28.188,
309.017

 45, 28.188,
309.017

 35, 28.188,
309.017

 25, 28.188,
309.017

 15, 28.188,

309.017

■ 5, 28.188, 309.017

■ 0, 28.188, 309.017

■ 85, 28.188,
309.017

■ 85, 28.188,
309.017

■ 78, 42.781,
309.575

■ 92, 13.955,
308.496

■ 71, 57.623,
310.158

■ 99, 0.140, 307.115

■ 64, 72.489,
310.739

100, 0.639,
110.009

■ 57, 86.981,
311.268

■ 52, 100.449,

311.668

■ 46, 111.956,
311.831

■ 42, 120.411,
311.629

■ 40, 125.372,
311.030

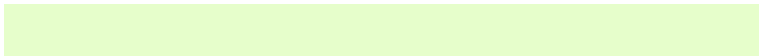
Harmonies

Complementary

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



85, 28.188, 309.017



97, 27.365, 127.090

Rectangle

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



85, 28.188, 309.017



85, 28.188, 359.017



85, 28.188, 129.017



85, 28.188, 179.017

Sweetspot

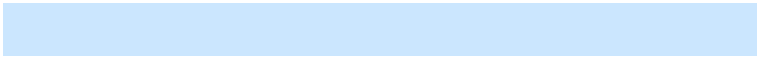
The Sweet Spot groups the original color and five complimentary colors.



85, 28.186, 309.016



96, 8.280, 308.292



90, 15.053, 254.572



50, 5.497, 308.325



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, 28.186, 309.016



83, 33.986, 309.231



87, 31.696, 324.607



49, 7.885, 308.467



29, 101.171, 311.221



6, 44.919, 312.072

Inverse Universe

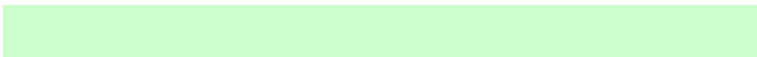
The Inverse Universe completely reimagines the original color for something new.



87, 23.154, 343.816



85, 27.840, 344.201



95, 31.635, 142.311



50, 6.511, 342.835



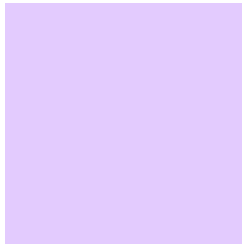
41, 68.653, 359.335



11, 32.177, 354.199

Previews

White Background



This preview shows how the CIELCh color 85, 28.188, 309.017 looks on a white background.

Color Contrast Check

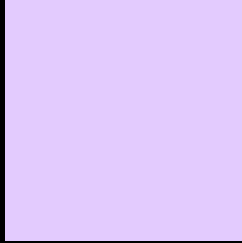
Large Text (above 18pt) WCAG AA × Fail

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, 28.188, 309.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

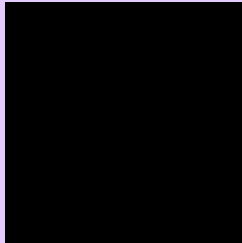
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

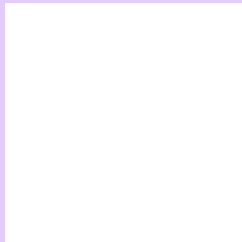
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 28.188, 309.017

Background



This preview shows how black text looks on a background with the CIELCh color 85, 28.188, 309.017.

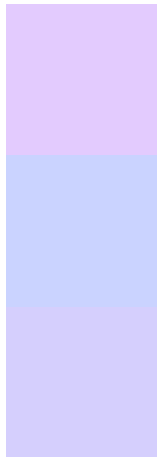


This preview shows how white text looks on a background with the CIELCh color 85, 28.188, 309.017.

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

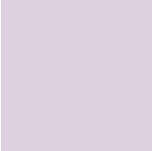
85, 28.188, 309.017

Protanopia

85, 23.261, 284.857

Deuteranopia

85, 24.373, 296.897



Tritanopia
85, 9.844, 321.317

Trichromacy



Original Color
85, 28.188, 309.017

Protanomaly
85, 24.804, 294.536

Deuteranomaly
85, 25.769, 301.983

Tritanomaly
85, 16.601, 313.681

Monochromacy



Original Color
85, 28.188, 309.017

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, 28.188, 309.017 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, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(227, 203, 254)  
}
```

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, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 203, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 28.188, 309.017 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, 203, 254) }
```

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

```
.border{ border-color:rgb(227, 203, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 203, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(227, 203,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 28.188, 309.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 203, 254) }
```

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

```
.background{ background-color: rgb(227,  
203, 254) }
```

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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