

Converting Colors

CIELCh(85, 29.686, 309.500)

Have a look what the booklet for
CIELCh(85, 29.686, 309.500)
contains.

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Color

CIELCh(85, 29.403, 309.734)

Conversions

Conversions Part 1

Format	Color
Hex	E4CAFF
RGB	228, 202, 255
RGB Percent	89%, 79%, 100%
CMY	0.1056, 0.2075, 0.0000
CMYK	0.11, 0.21, 0.00, 0.00
HSL	269°, 100%, 90%
HSV	269°, 21%, 100%
XYZ	71.2193, 66.0070, 103.6599
YIQ	215.8160, -1.5170, 21.9950

Conversions

Conversions Part 2

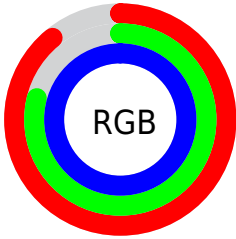
Format	Color
R_{YB}	228, 202, 255
Decimal	14994175
CIE _{Lab}	85.00, 18.80, -22.61
CIE _{LCh}	85, 29.403, 309.734
Yxy	66.0070, 0.2957, 0.2740
Android (android.graphics.Color)	4293184255 (0xFFE4CAFF)
YUV	215.8160, 19.3177, 10.6854
Hunter-Lab	81.2447, 14.2952, -18.7766

Details

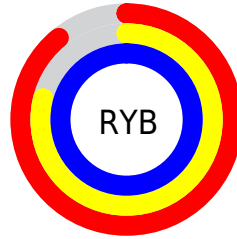
The CIELCh color `85, 29.403, 309.734` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 28.516, 127.803`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 29.199, 309.598` is the 20% darker color. If you saturate the color by 10%, you get `78, 44.066, 310.299`, and if you desaturate by 10%, it is `92, 15.001, 309.248`.

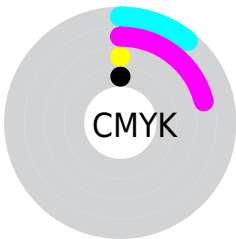
Distribution



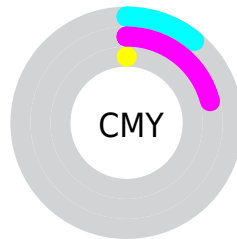
- Red (89%)
- Green (79%)
- Blue (100%)



- 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, 29.403, 309.734 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, 29.403, 309.734 by changing the saturation by 10% instead.


 85, 29.403,
309.734


 85, 29.403,
309.734


 100, 29.403,
309.734


 75, 29.403,
309.734

 65, 29.403,
309.734

 55, 29.403,
309.734

 45, 29.403,
309.734

 35, 29.403,
309.734

 25, 29.403,
309.734

 15, 29.403,

309.734

■ 5, 29.403, 309.734

■ 0, 29.403, 309.734

■ 85, 29.403,
309.734

■ 85, 29.403,
309.734

■ 78, 44.066,
310.299

■ 92, 15.001,
309.248

■ 71, 58.981,
310.859

99, 1.046, 308.664

■ 64, 73.864,
311.408

100, 0.012,
296.813

■ 58, 88.287,
311.894

■ 52, 101.577,

312.241

■ 47, 112.787,
312.342

■ 43, 120.863,
312.075

■ 41, 125.289,
311.478

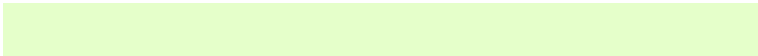
Harmonies

Complementary

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



85, 29.403, 309.734



97, 28.516, 127.803

Rectangle

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



85, 29.403, 309.734



85, 29.403, 359.734



85, 29.403, 129.734



85, 29.403, 179.734

Sweetspot

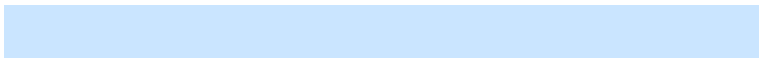
The Sweet Spot groups the original color and five complimentary colors.



85, 29.362, 309.757



96, 8.315, 309.016



90, 15.817, 256.599



51, 5.520, 309.048



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, 29.362, 309.757



82, 35.570, 309.983



87, 33.030, 325.113



49, 7.917, 309.186



30, 100.722, 311.674



6, 44.908, 312.638

Inverse Universe

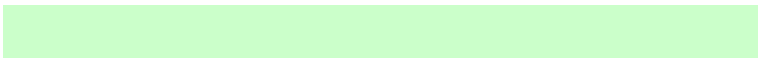
The Inverse Universe completely reimagines the original color for something new.



87, 23.705, 345.007



84, 28.640, 345.442



95, 32.989, 142.679



50, 6.420, 343.936



41, 68.347, 1.285



10, 31.954, 355.822

Previews

White Background



This preview shows how the CIELCh color 85, 29.403, 309.734 looks on a white background.

Color Contrast Check

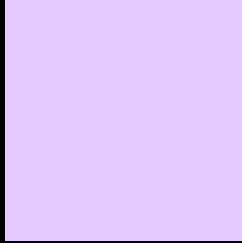
Large Text (above 18pt) WCAG AA × Fail

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, 29.403, 309.734 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, 29.403, 309.734

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.403, 309.734.

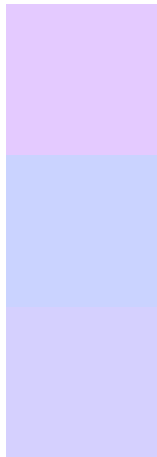


This preview shows how white text looks on a background with the CIELCh color 85, 29.403, 309.734.

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, 29.403, 309.734

Protanopia

85, 23.261, 284.857

Deuteranopia

85, 24.323, 296.109



Tritanopia
85, 10.031, 323.093

Trichromacy



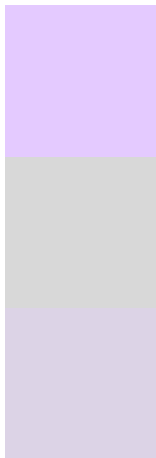
Original Color
85, 29.403, 309.734

Protanomaly
85, 24.804, 294.536

Deuteranomaly
85, 25.690, 301.237

Tritanomaly
85, 16.737, 314.805

Monochromacy



Original Color
85, 29.403, 309.734

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, 29.403, 309.734 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(228, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.403, 309.734 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(228, 202, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.403, 309.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 255) }
```

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

```
.background{ background-color: rgb(228,  
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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