

Converting Colors

CIELCh(85, 26.070, 298.903)

Have a look what the booklet for
CIELCh(85, 26.070, 298.903)
contains.

CIELCh(85, 26.070, 298.903)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 26.070, 298.903)

Conversions

Conversions Part 1

Format	Color
Hex	D7CEFF
RGB	215, 206, 255
RGB Percent	84%, 81%, 100%
CMY	0.1557, 0.1910, 0.0000
CMYK	0.16, 0.19, 0.00, 0.00
HSL	251°, 100%, 90%
HSV	251°, 19%, 100%
XYZ	68.3444, 66.0070, 103.9940
YIQ	214.2770, -10.3650, 17.1470

Conversions

Conversions Part 2

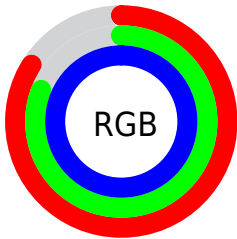
Format	Color
R _Y B	215, 206, 255
Decimal	14143231
CIE Lab	85.00, 12.60, -22.82
CIE LCh	85, 26.070, 298.903
Yxy	66.0070, 0.2867, 0.2769
Android (android.graphics.Color)	4292333311 (0xFFD7CEFF)
YUV	214.2770, 20.0764, 0.6341
Hunter-Lab	81.2447, 7.9790, -19.0205

Details

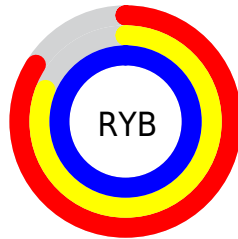
The CIELCh color `85, 26.070, 298.903` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 24.854, 116.055`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 25.835, 298.908` is the 20% darker color. If you saturate the color by 10%, you get `77, 40.260, 299.915`, and if you desaturate by 10%, it is `93, 12.115, 298.080`.

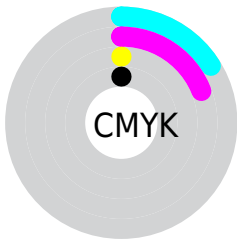
Distribution



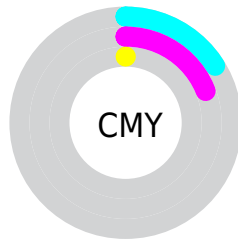
- Red (84%)
- Green (81%)
- Blue (100%)



- Red (84%)
- Yellow (81%)
- Blue (100%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 26.070, 298.903 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, 26.070, 298.903 by changing the saturation by 10% instead.


 85, 26.070,
298.903


 85, 26.070,
298.903


 100, 26.070,
298.903


 75, 26.070,
298.903

 65, 26.070,
298.903

 55, 26.070,
298.903

 45, 26.070,
298.903

 35, 26.070,
298.903

 25, 26.070,
298.903

 15, 26.070,

298.903

■ 5, 26.070, 298.903

■ 0, 26.070, 298.903

■ 85, 26.070,
298.903

■ 85, 26.070,
298.903

■ 77, 40.260,
299.915

■ 93, 12.115,
298.080

■ 69, 55.139,
301.032

100, 0.012,
296.813

■ 62, 70.469,
302.275

■ 54, 86.010,
303.604

■ 47, 101.209,

304.928

■ 41, 114.986,
306.079

■ 37, 125.663,
306.824

■ 34, 131.843,
307.002

■ 34, 132.285,
307.014

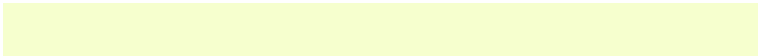
Harmonies

Complementary

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



85, 26.070, 298.903



98, 24.854, 116.055

Rectangle

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



85, 26.070, 298.903



85, 26.070, 348.903



85, 26.070, 118.903



85, 26.070, 168.903

Sweetspot

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



85, 25.914, 298.933



95, 7.940, 297.840



94, 13.838, 218.138



50, 5.273, 297.889



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, 25.914, 298.933



82, 31.438, 299.299



87, 28.067, 316.016



49, 7.571, 298.112



24, 106.379, 307.119



4, 44.528, 305.255

Inverse Universe

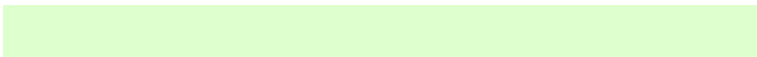
The Inverse Universe completely reimagines the original color for something new.



88, 26.900, 331.193



86, 32.410, 331.450



97, 27.635, 134.343



50, 7.968, 330.565



44, 80.591, 337.271



11, 37.707, 335.986

Previews

White Background



This preview shows how the CIELCh color 85, 26.070, 298.903 looks on a white background.

Color Contrast Check

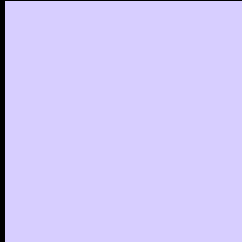
Large Text (above 18pt) WCAG AA × Fail

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, 26.070, 298.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

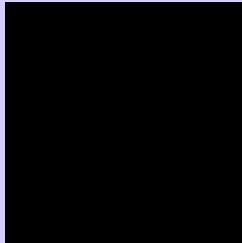
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 26.070, 298.903

Background



This preview shows how black text looks on a background with the CIELCh color 85, 26.070, 298.903.

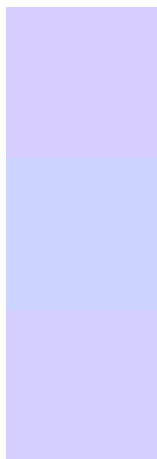


This preview shows how white text looks on a background with the CIELCh color 85, 26.070, 298.903.

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, 26.070, 298.903

Protanopia

85, 23.771, 285.858

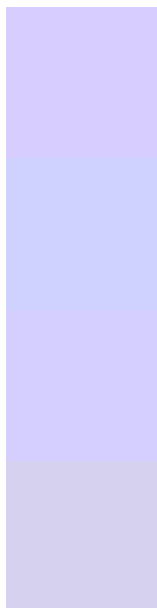
Deuteranopia

85, 25.393, 296.023



Tritanopia
85, 8.951, 290.944

Trichromacy



Original Color
85, 26.070, 298.903

Protanomaly
85, 24.222, 290.654

Deuteranomaly
85, 25.420, 296.768

Tritanomaly
85, 15.366, 296.593

Monochromacy



Original Color
85, 26.070, 298.903

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 9.541, 297.295

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 26.070, 298.903 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(215, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 206, 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(215, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 26.070, 298.903 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(215, 206, 255) }
```

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

```
.border{ border-color:rgb(215, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 26.070, 298.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 206, 255) }
```

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

```
.background{ background-color: rgb(215,  
206, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor