

Converting Colors

CIELCh(85, 20.822, 300.298)

Have a look what the booklet for
CIELCh(85, 20.822, 300.298)
contains.

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Color

CIELCh(85, 20.840, 300.303)

Conversions

Conversions Part 1

Format	Color
Hex	D8CFF6
RGB	216, 207, 246
RGB Percent	85%, 81%, 96%
CMY	0.1522, 0.1875, 0.0345
CMYK	0.12, 0.16, 0.00, 0.03
HSL	254°, 69%, 89%
HSV	254°, 16%, 97%
XYZ	67.3945, 66.0070, 96.5293
YIQ	214.1370, -7.1550, 14.0370

Conversions

Conversions Part 2

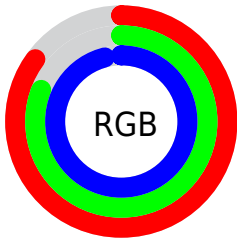
Format	Color
R _Y B	216, 207, 246
Decimal	14209014
CIE Lab	85.00, 10.52, -17.99
CIE LCh	85, 20.840, 300.303
Yxy	66.0070, 0.2931, 0.2871
Android (android.graphics.Color)	4292399094 (0xFFD8CFF6)
YUV	214.1370, 15.7085, 1.6339
Hunter-Lab	81.2447, 5.8919, -13.5730

Details

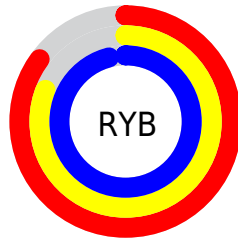
The CIELCh color `85, 20.840, 300.303` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 20.161, 118.145`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 20.857, 300.055` is the 20% darker color. If you saturate the color by 10%, you get `77, 34.638, 301.153`, and if you desaturate by 10%, it is `93, 7.547, 299.557`.

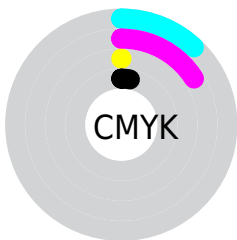
Distribution



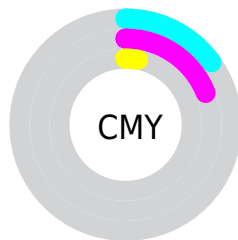
- Red (85%)
- Green (81%)
- Blue (96%)



- Red (85%)
- Yellow (81%)
- Blue (96%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)





- Cyan (15%)
- Magenta (19%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 20.840, 300.303 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, 20.840, 300.303 by changing the saturation by 10% instead.


 85, 20.840,
300.303


 85, 20.840,
300.303


 100, 20.840,
300.303


 75, 20.840,
300.303

 65, 20.840,
300.303

 55, 20.840,
300.303

 45, 20.840,
300.303

 35, 20.840,
300.303

 25, 20.840,
300.303

 15, 20.840,

300.303

■ 5, 20.840, 300.303

■ 0, 20.840, 300.303

■ 85, 20.840,
300.303

■ 85, 20.840,
300.303

■ 77, 34.638,
301.153

■ 93, 7.547, 299.557

■ 70, 48.936,
302.118

■ 100, 4.473,
114.069

■ 62, 63.665,
303.189

■ 100, 4.456,
109.828

■ 55, 78.638,
304.336

■ 48, 93.428,

305.491

■ 42, 107.200,
306.525

■ 37, 118.583,
307.242

■ 34, 125.974,
307.429

■ 33, 128.058,
307.408

Harmonies

Complementary

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



85, 20.840, 300.303



95, 20.161, 118.145

Rectangle

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



85, 20.840, 300.303



85, 20.840, 350.303



85, 20.840, 120.303



85, 20.840, 170.303

Sweetspot

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



85, 20.838, 300.301



96, 6.637, 299.499



92, 11.082, 222.148



51, 4.533, 299.548



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, 20.838, 300.301



85, 25.869, 300.561



87, 22.735, 316.928



47, 7.354, 299.816



24, 103.628, 307.535



4, 40.606, 304.941

Inverse Universe

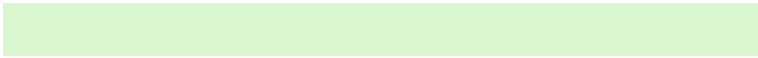
The Inverse Universe completely reimagines the original color for something new.



87, 20.965, 332.643



88, 25.905, 332.863



94, 22.476, 135.549



48, 7.458, 332.207



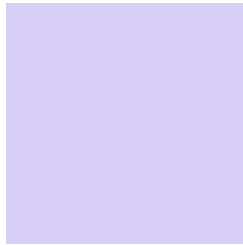
42, 76.378, 340.096



10, 34.724, 338.178

Previews

White Background



This preview shows how the CIELCh color 85, 20.840, 300.303 looks on a white background.

Color Contrast Check

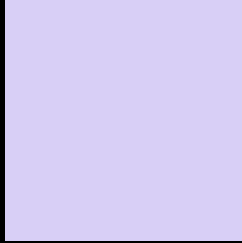
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 20.840, 300.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

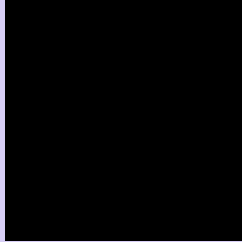
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.840, 300.303

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.840, 300.303.

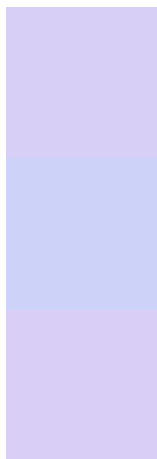


This preview shows how white text looks on a background with the CIELCh color 85, 20.840, 300.303.

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

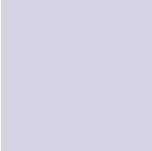
85, 20.840, 300.303

Protanopia

85, 20.042, 287.101

Deuteranopia

85, 20.895, 301.227



Tritanopia
85, 9.035, 297.636

Trichromacy



Original Color
85, 20.840, 300.303

Protanomaly
85, 20.021, 291.864

Deuteranomaly
85, 20.895, 301.227

Tritanomaly
85, 13.316, 298.766

Monochromacy



Original Color
85, 20.840, 300.303

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.456, 298.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.840, 300.303 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(216, 207, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 207, 246)  
}
```

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(216, 207, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 207, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.840, 300.303 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(216, 207, 246) }
```

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

```
.border{ border-color:rgb(216, 207, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 207, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 207, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 207, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 207,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.840, 300.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 207, 246) }
```

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

```
.background{ background-color: rgb(216,  
207, 246) }
```

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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