

Converting Colors

CIELCh(85, 21.716, 297.298)

Have a look what the booklet for
CIELCh(85, 21.716, 297.298)
contains.

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Color

CIELCh(85, 21.735, 297.301)

Conversions

Conversions Part 1

Format	Color
Hex	D6D0F9
RGB	214, 208, 249
RGB Percent	84%, 82%, 98%
CMY	0.1621, 0.1856, 0.0249
CMYK	0.14, 0.16, 0.00, 0.02
HSL	249°, 76%, 89%
HSV	249°, 16%, 98%
XYZ	67.1471, 66.0070, 98.5346
YIQ	214.4680, -9.5850, 14.0230

Conversions

Conversions Part 2

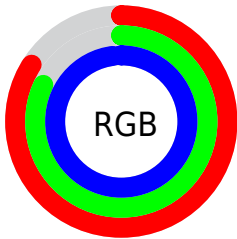
Format	Color
R _Y B	214, 208, 249
Decimal	14078201
CIE Lab	85.00, 9.97, -19.31
CIE LCh	85, 21.735, 297.301
Yxy	66.0070, 0.2898, 0.2849
Android (android.graphics.Color)	4292268281 (0xFFD6D0F9)
YUV	214.4680, 17.0243, -0.4104
Hunter-Lab	81.2447, 5.3484, -15.0364

Details

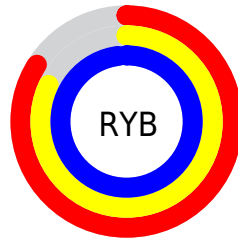
The CIELCh color `85, 21.735, 297.301` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 20.950, 114.667`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 21.262, 297.069` is the 20% darker color. If you saturate the color by 10%, you get `77, 35.624, 298.324`, and if you desaturate by 10%, it is `93, 8.386, 296.417`.

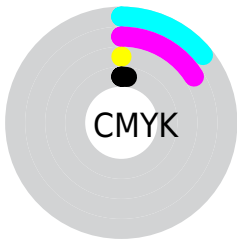
Distribution



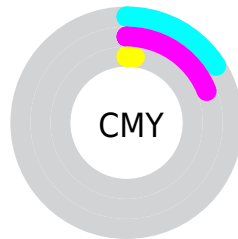
- Red (84%)
- Green (82%)
- Blue (98%)



- Red (84%)
- Yellow (82%)
- Blue (98%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (19%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.735, 297.301 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, 21.735, 297.301 by changing the saturation by 10% instead.


 85, 21.735,
297.301


 85, 21.735,
297.301


 100, 21.735,
297.301


 75, 21.735,
297.301

 65, 21.735,
297.301

 55, 21.735,
297.301

 45, 21.735,
297.301

 35, 21.735,
297.301

 25, 21.735,
297.301

 15, 21.735,

297.301

■ 5, 21.735, 297.301

■ 0, 21.735, 297.301

■ 85, 21.735,
297.301

■ 85, 21.735,
297.301

■ 77, 35.624,
298.324

■ 93, 8.386, 296.417

■ 69, 50.067,
299.502

■ 100, 3.211,
109.914

■ 62, 65.019,
300.832

■ 54, 80.313,
302.288

■ 47, 95.521,

303.791

■ 41, 109.726,
305.187

■ 36, 121.353,
306.236

■ 33, 128.559,
306.689

■ 32, 130.266,
306.771

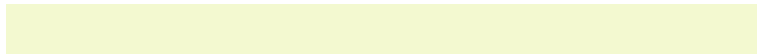
Harmonies

Complementary

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



85, 21.735, 297.301



96, 20.950, 114.667

Rectangle

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



85, 21.735, 297.301



85, 21.735, 347.301



85, 21.735, 117.301



85, 21.735, 167.301

Sweetspot

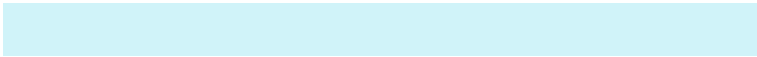
The Sweet Spot groups the original color and five complimentary colors.



85, 21.733, 297.299



96, 6.585, 296.298



94, 12.188, 212.127



51, 4.498, 296.355



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, 21.733, 297.299



84, 27.106, 297.645



87, 23.391, 314.282



48, 7.424, 296.669



23, 105.743, 306.856



4, 42.429, 303.883

Inverse Universe

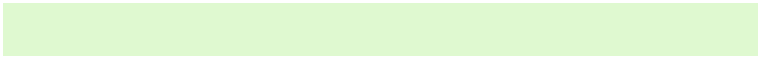
The Inverse Universe completely reimagines the original color for something new.



88, 23.340, 329.704



88, 28.937, 329.927



95, 23.021, 132.868



49, 8.053, 329.265



43, 82.183, 335.070



11, 37.717, 334.084

Previews

White Background



This preview shows how the CIELCh color 85, 21.735, 297.301 looks on a white background.

Color Contrast Check

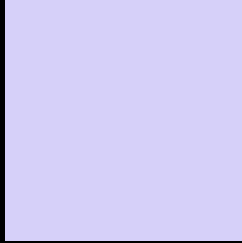
Large Text (above 18pt) WCAG AA × Fail

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, 21.735, 297.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

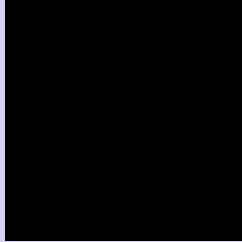
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.735, 297.301

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.735, 297.301.

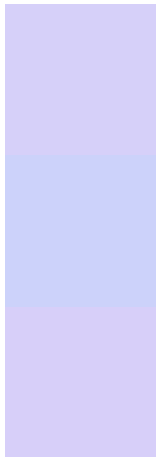


This preview shows how white text looks on a background with the CIELCh color 85, 21.735, 297.301.

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, 21.735, 297.301

Protanopia

85, 21.110, 286.554

Deuteranopia

85, 22.355, 298.934



Tritanopia
85, 8.952, 288.709

Trichromacy



Original Color
85, 21.735, 297.301

Protanomaly
85, 21.595, 291.112

Deuteranomaly
85, 22.355, 298.934

Tritanomaly
85, 13.704, 292.776

Monochromacy



Original Color
85, 21.735, 297.301

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 7.933, 295.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.735, 297.301 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(214, 208, 249)` looks like.

```
.text, #text, p{  
    color:rgb(214, 208, 249)  
}
```

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(214, 208, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 208, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.735, 297.301 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(214, 208, 249) }
```

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

```
.border{ border-color:rgb(214, 208, 249) }
```

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

Here you see how a box with a 4 pixel rgb(214, 208, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 208, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 208, 249);  
box-shadow:4px 4px 4px 4px rgb(214, 208,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.735, 297.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 208, 249) }
```

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

```
.background{ background-color: rgb(214,  
208, 249) }
```

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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