

Converting Colors

CIELCh(84, 28.789, 301.425)

Have a look what the booklet for
CIELCh(84, 28.789, 301.425)
contains.

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Color

CIELCh(84, 28.485, 301.889)

Conversions

Conversions Part 1

Format	Color
Hex	D8CAFF
RGB	216, 202, 255
RGB Percent	85%, 79%, 100%
CMY	0.1529, 0.2078, 0.0000
CMYK	0.15, 0.21, 0.00, 0.00
HSL	256°, 100%, 90%
HSV	256°, 21%, 100%
XYZ	67.4953, 64.0658, 103.4233
YIQ	212.2280, -8.6690, 19.4510

Conversions

Conversions Part 2

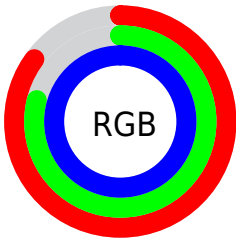
Format	Color
R _{YB}	216, 202, 255
Decimal	14207743
CIE _{Lab}	84.00, 15.05, -24.19
CIE _{LCh}	84, 28.485, 301.889
Y _{xy}	64.0658, 0.2872, 0.2726
Android (android.graphics.Color)	4292397823 (0xFFD8CAFF)
YUV	212.2280, 21.0866, 3.3080
Hunter-Lab	80.0411, 10.4497, -20.5815

Details

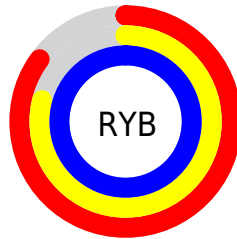
The CIELCh color `84, 28.485, 301.889` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 27.295, 119.164`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 28.384, 302.080` is the 20% darker color. If you saturate the color by 10%, you get `76, 42.956, 302.736`, and if you desaturate by 10%, it is `92, 14.506, 301.143`.

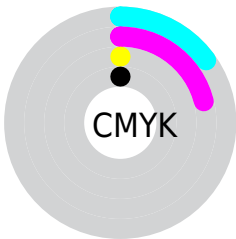
Distribution



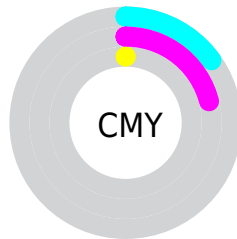
- Red (85%)
- Green (79%)
- Blue (100%)



- Red (85%)
- Yellow (79%)
- Blue (100%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 28.485, 301.889 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 84, 28.485, 301.889 by changing the saturation by 10% instead.

 84, 28.485,
301.889

 84, 28.485,
301.889

 100, 28.485,
301.889

 74, 28.485,
301.889

 64, 28.485,
301.889

 54, 28.485,
301.889

 44, 28.485,
301.889

 34, 28.485,
301.889

 24, 28.485,
301.889

 14, 28.485,

301.889

■ 4, 28.485, 301.889

■ 0, 28.485, 301.889

■ 84, 28.485,
301.889

■ 84, 28.485,
301.889

■ 76, 42.956,
302.736

■ 92, 14.506,
301.143

■ 69, 57.894,
303.679

99, 1.040, 300.455

■ 61, 73.157,
304.700

100, 0.012,
296.813

■ 54, 88.432,
305.751

■ 47, 103.086,

306.737

■ 42, 116.007,
307.504

■ 37, 125.654,
307.850

■ 35, 130.910,
307.731

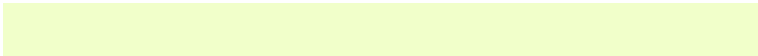
Harmonies

Complementary

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



84, 28.485, 301.889



98, 27.295, 119.164

Rectangle

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



84, 28.485, 301.889



84, 28.485, 351.889



84, 28.485, 121.889



84, 28.485, 171.889

Sweetspot

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



84, 28.478, 301.889



95, 8.008, 300.818



93, 14.582, 226.781



50, 5.317, 300.861



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 28.478, 301.889



81, 34.528, 302.234



86, 31.063, 318.195



49, 7.633, 301.054



25, 105.235, 307.871



4, 44.686, 306.891

Inverse Universe

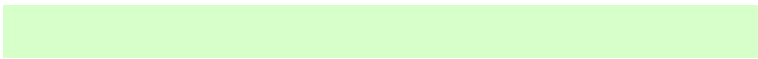
The Inverse Universe completely reimagines the original color for something new.



87, 27.690, 334.287



84, 33.338, 334.599



96, 30.669, 136.302



50, 7.530, 333.479



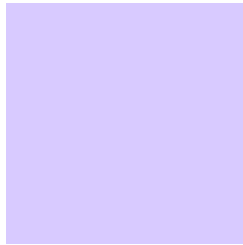
43, 76.098, 342.370



11, 35.798, 340.233

Previews

White Background



This preview shows how the CIELCh color 84, 28.485, 301.889 looks on a white background.

Color Contrast Check

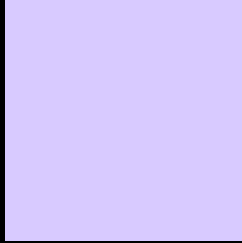
Large Text (above 18pt) WCAG AA × Fail

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 84, 28.485, 301.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

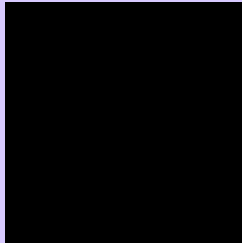
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 28.485, 301.889

Background



This preview shows how black text looks on a background with the CIELCh color 84, 28.485, 301.889.

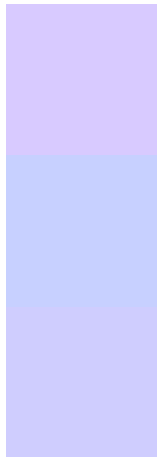


This preview shows how white text looks on a background with the CIELCh color 84, 28.485, 301.889.

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

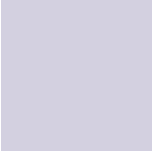
84, 28.485, 301.889

Protanopia

84, 24.885, 285.524

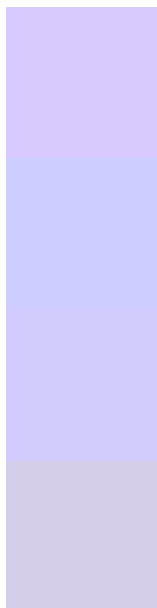
Deuteranopia

84, 25.907, 293.817



Tritanopia
84, 8.528, 298.024

Trichromacy



Original Color
84, 28.485, 301.889

Protanomaly
84, 25.863, 291.636

Deuteranomaly
84, 26.538, 296.679

Tritanomaly
84, 15.545, 300.416

Monochromacy



Original Color
84, 28.485, 301.889

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 10.723, 300.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 28.485, 301.889 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 28.485, 301.889 is called "border". The border property can be set on classes, ids or directly on the HTML element.

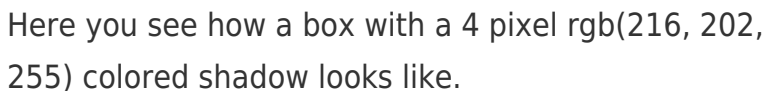
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 202, 255) }
```

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

```
.border{ border-color:rgb(216, 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(216, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 202, 255); box-shadow:4px 4px 4px 4px rgb(216, 202, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 28.485, 301.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 202, 255) }
```

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

```
.background{ background-color: rgb(216,  
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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