

Converting Colors

CIELCh(84, 28.661, 300.180)

Have a look what the booklet for
CIELCh(84, 28.661, 300.180)
contains.

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Color

CIELCh(84, 28.383, 300.558)

Conversions

Conversions Part 1

Format	Color
Hex	D6CAFF
RGB	214, 202, 255
RGB Percent	84%, 79%, 100%
CMY	0.1590, 0.2061, 0.0000
CMYK	0.16, 0.21, 0.00, 0.00
HSL	254°, 100%, 90%
HSV	254°, 21%, 100%
XYZ	67.2153, 64.0658, 103.8265
YIQ	211.6300, -9.8610, 19.0270

Conversions

Conversions Part 2

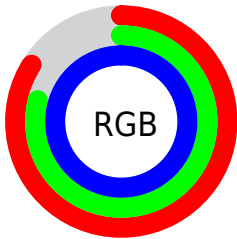
Format	Color
R_{YB}	214, 202, 255
Decimal	14076671
CIE _{Lab}	84.00, 14.43, -24.44
CIE _{LCh}	84, 28.383, 300.558
Yxy	64.0658, 0.2859, 0.2725
Android (android.graphics.Color)	4292266751 (0xFFD6CAFF)
YUV	211.6300, 21.3814, 2.0785
Hunter-Lab	80.0411, 9.8253, -20.8801

Details

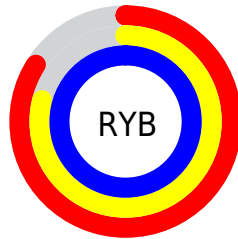
The CIELCh color `84, 28.383, 300.558` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 26.935, 117.734`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 28.286, 300.699` is the 20% darker color. If you saturate the color by 10%, you get `76, 42.585, 301.528`, and if you desaturate by 10%, it is `92, 14.214, 299.816`.

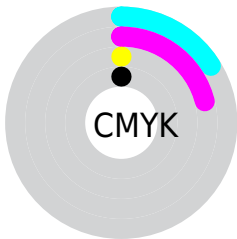
Distribution



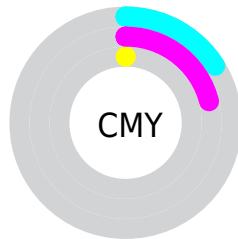
- Red (84%)
- Green (79%)
- Blue (100%)



- Red (84%)
- Yellow (79%)
- Blue (100%)



- Cyan (16%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 28.383, 300.558 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, 28.383, 300.558 by changing the saturation by 10% instead.

 84, 28.383,
300.558

 84, 28.383,
300.558

 100, 28.383,
300.558


 74, 28.383,
300.558

 64, 28.383,
300.558

 54, 28.383,
300.558

 44, 28.383,
300.558

 34, 28.383,
300.558

 24, 28.383,
300.558

 14, 28.383,

300.558

■ 4, 28.383, 300.558

■ 0, 28.383, 300.558

■ 84, 28.383,
300.558

■ 84, 28.383,
300.558

■ 76, 42.585,
301.528

■ 92, 14.214,
299.816

■ 68, 57.526,
302.554

■ 100, 0.809,
299.093

■ 61, 72.842,
303.676

■ 100, 0.012,
296.813

■ 54, 88.240,
304.849

■ 47, 103.097,

305.977

■ 41, 116.282,
306.894

■ 37, 126.167,
307.383

■ 34, 131.581,
307.373

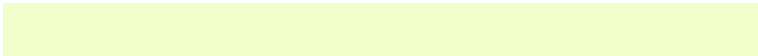
Harmonies

Complementary

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



84, 28.383, 300.558



98, 26.935, 117.734

Rectangle

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



84, 28.383, 300.558



84, 28.383, 350.558



84, 28.383, 120.558



84, 28.383, 170.558

Sweetspot

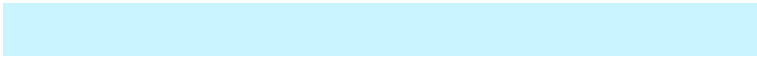
The Sweet Spot groups the original color and five complimentary colors.



84, 28.137, 300.616



95, 7.975, 299.483



94, 14.623, 222.423



50, 5.295, 299.529



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, 28.137, 300.616



81, 34.419, 301.002



86, 30.555, 317.142



49, 7.603, 299.735



25, 105.789, 307.498



4, 44.615, 306.122

Inverse Universe

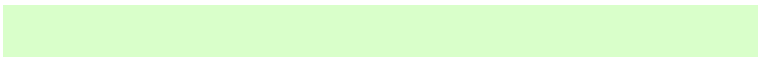
The Inverse Universe completely reimagines the original color for something new.



87, 28.155, 332.889



84, 34.176, 333.197



96, 30.110, 135.301



50, 7.725, 332.126



43, 78.034, 339.976



11, 36.629, 338.247

Previews

White Background



This preview shows how the CIELCh color 84, 28.383, 300.558 looks on a white background.

Color Contrast Check

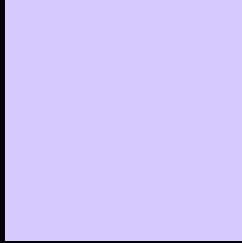
Large Text (above 18pt) WCAG AA × Fail

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, 28.383, 300.558 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, 28.383, 300.558

Background



This preview shows how black text looks on a background with the CIELCh color 84, 28.383, 300.558.

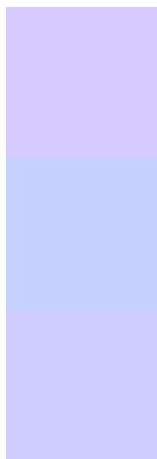


This preview shows how white text looks on a background with the CIELCh color 84, 28.383, 300.558.

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

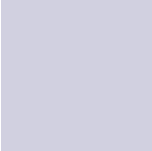
84, 28.383, 300.558

Protanopia

84, 24.917, 284.792

Deuteranopia

84, 26.433, 293.827



Tritanopia
84, 8.460, 293.289

Trichromacy



Original Color
84, 28.383, 300.558

Protanomaly
84, 25.864, 290.915

Deuteranomaly
84, 27.062, 296.629

Tritanomaly
84, 15.446, 297.881

Monochromacy



Original Color
84, 28.383, 300.558

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 10.136, 298.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 28.383, 300.558 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 28.383, 300.558 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, 202, 255) }
```

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

```
.border{ border-color:rgb(214, 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(214, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 202,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 28.383, 300.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 202, 255) }
```

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

```
.background{ background-color: rgb(214,  
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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