

Converting Colors

CIELCh(84, 27.235, 300.057)

Have a look what the booklet for
CIELCh(84, 27.235, 300.057)
contains.

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Color

CIELCh(84, 27.270, 300.117)

Conversions

Conversions Part 1

Format	Color
Hex	D6CBFE
RGB	214, 203, 254
RGB Percent	84%, 80%, 100%
CMY	0.1613, 0.2045, 0.0045
CMYK	0.16, 0.20, 0.00, 0.00
HSL	253°, 96%, 90%
HSV	253°, 20%, 100%
XYZ	66.8777, 64.0658, 102.4836
YIQ	212.1030, -9.8150, 18.1930

Conversions

Conversions Part 2

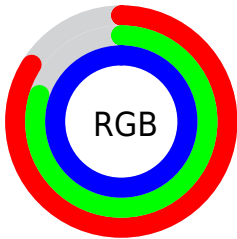
Format	Color
R _Y B	214, 203, 254
Decimal	14076926
CIE _{Lab}	84.00, 13.68, -23.59
CIE _{LCh}	84, 27.270, 300.117
Yxy	64.0658, 0.2865, 0.2745
Android (android.graphics.Color)	4292267006 (0xFFD6CBFE)
YUV	212.1030, 20.6552, 1.6637
Hunter-Lab	80.0411, 9.0724, -19.8854

Details

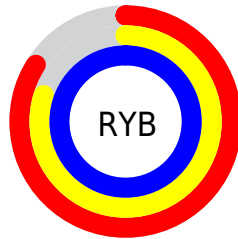
The CIELCh color `84, 27.270, 300.117` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 26.121, 117.246`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 27.110, 300.213` is the 20% darker color. If you saturate the color by 10%, you get `76, 41.629, 301.047`, and if you desaturate by 10%, it is `92, 13.437, 299.302`.

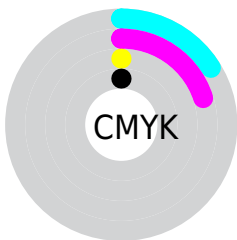
Distribution



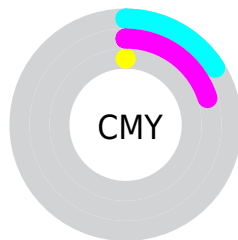
- Red (84%)
- Green (80%)
- Blue (100%)



- Red (84%)
- Yellow (80%)
- Blue (100%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 27.270, 300.117 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, 27.270, 300.117 by changing the saturation by 10% instead.


 84, 27.270,
300.117


 84, 27.270,
300.117


 100, 27.270,
300.117


 74, 27.270,
300.117

 64, 27.270,
300.117

 54, 27.270,
300.117

 44, 27.270,
300.117

 34, 27.270,
300.117

 24, 27.270,
300.117

 14, 27.270,

300.117

■ 4, 27.270, 300.117

■ 0, 27.270, 300.117

■ 84, 27.270,
300.117

■ 84, 27.270,
300.117

■ 76, 41.629,
301.047

■ 92, 13.437,
299.302

■ 68, 56.495,
302.098

100, 0.125,
298.434

■ 61, 71.759,
303.255

100, 0.570,
110.000

■ 54, 87.149,
304.473

■ 47, 102.067,

305.658

■ 41, 115.407,
306.646

■ 37, 125.533,
307.214

■ 34, 131.349,
307.260

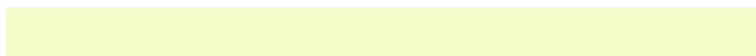
Harmonies

Complementary

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



84, 27.270, 300.117



98, 26.121, 117.246

Rectangle

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



84, 27.270, 300.117



84, 27.270, 350.117



84, 27.270, 120.117



84, 27.270, 170.117

Sweetspot

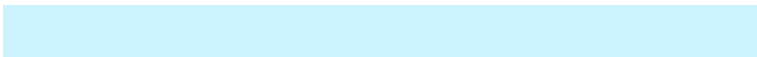
The Sweet Spot groups the original color and five complimentary colors.



84, 27.268, 300.116



95, 7.964, 299.001



94, 14.329, 220.266



50, 5.288, 299.048



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, 27.268, 300.116



81, 32.945, 300.466



86, 29.545, 316.590



49, 7.593, 299.258



24, 105.973, 307.378



4, 44.589, 305.859

Inverse Universe

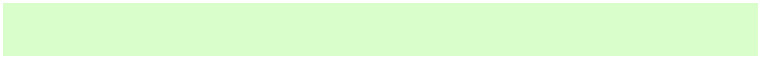
The Inverse Universe completely reimagines the original color for something new.



87, 27.587, 332.372



85, 33.103, 332.642



96, 29.097, 134.814



50, 7.796, 331.656



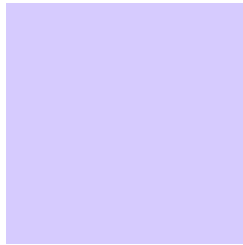
43, 78.766, 339.155



11, 36.940, 337.563

Previews

White Background



This preview shows how the CIELCh color 84, 27.270, 300.117 looks on a white background.

Color Contrast Check

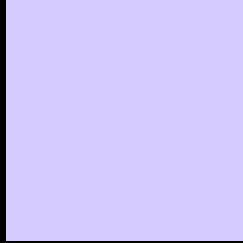
Large Text (above 18pt) WCAG AA × Fail

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, 27.270, 300.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

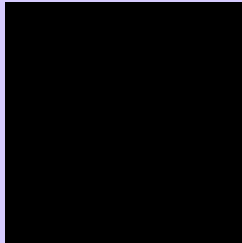
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 27.270, 300.117

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.270, 300.117.

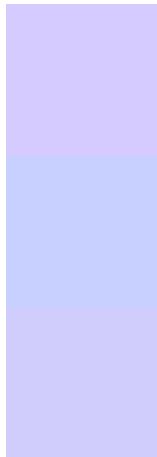


This preview shows how white text looks on a background with the CIELCh color 84, 27.270, 300.117.

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, 27.270, 300.117

Protanopia
84, 24.885, 285.524

Deuteranopia
84, 25.396, 294.550



Tritanopia
84, 8.987, 293.189

Trichromacy



Original Color
84, 27.270, 300.117

Protanomaly
84, 25.864, 290.915

Deuteranomaly
84, 26.013, 296.733

Tritanomaly
84, 15.446, 297.881

Monochromacy



Original Color
84, 27.270, 300.117

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 9.615, 299.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.270, 300.117 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, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 203, 254)  
}
```

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, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 203, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.270, 300.117 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, 203, 254) }
```

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

```
.border{ border-color:rgb(214, 203, 254) }
```

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

Here you see how a box with a 4 pixel rgb(214, 203, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 203,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.270, 300.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 203, 254) }
```

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

```
.background{ background-color: rgb(214,  
203, 254) }
```

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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