

Converting Colors

CIELCh(86, 52.655, 297.572)

Have a look what the booklet for
CIELCh(86, 52.655, 297.572)
contains.

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Color

CIELCh(84, 27.201, 299.415)

Conversions

Conversions Part 1

Format	Color
Hex	D5CBFE
RGB	213, 203, 254
RGB Percent	84%, 80%, 100%
CMY	0.1644, 0.2036, 0.0038
CMYK	0.16, 0.20, 0.00, 0.00
HSL	252°, 96%, 90%
HSV	252°, 20%, 100%
XYZ	66.7317, 64.0658, 102.6496
YIQ	211.8040, -10.4110, 17.9810

Conversions

Conversions Part 2

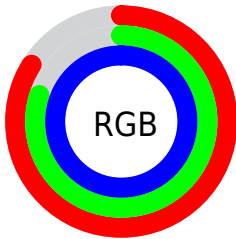
Format	Color
R _Y B	213, 203, 254
Decimal	14011390
CIE _{Lab}	84.00, 13.36, -23.69
CIE _{LCh}	84, 27.201, 299.415
Y _{xy}	64.0658, 0.2859, 0.2744
Android (android.graphics.Color)	4292201470 (0xFFD5CBFE)
YUV	211.8040, 20.8026, 1.0489
Hunter-Lab	80.0411, 8.7468, -20.0084

Details

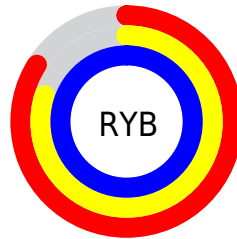
The CIELCh color `84, 27.201, 299.415` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 26.038, 116.442`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 27.068, 299.490` is the 20% darker color. If you saturate the color by 10%, you get `76, 41.557, 300.385`, and if you desaturate by 10%, it is `92, 13.380, 298.568`.

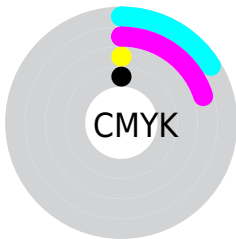
Distribution



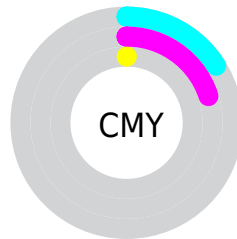
- Red (84%)
- Green (80%)
- Blue (100%)



- 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, 27.201, 299.415 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, 27.201, 299.415 by changing the saturation by 10% instead.


 84, 27.201,
299.415


 84, 27.201,
299.415


 100, 27.201,
299.415


 74, 27.201,
299.415

 64, 27.201,
299.415

 54, 27.201,
299.415

 44, 27.201,
299.415

 34, 27.201,
299.415

 24, 27.201,
299.415

 14, 27.201,

299.415

■ 4, 27.201, 299.415

■ 0, 27.201, 299.415

■ 84, 27.201,
299.415

■ 84, 27.201,
299.415

■ 76, 41.557,
300.385

■ 92, 13.380,
298.568

■ 68, 56.436,
301.486

100, 0.087,
297.702

■ 61, 71.737,
302.704

100, 0.474,
109.979

■ 53, 87.196,
303.994

■ 47, 102.220,

305.262

■ 41, 115.684,
306.337

■ 36, 125.904,
306.985

■ 34, 131.740,
307.098

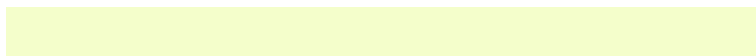
Harmonies

Complementary

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



84, 27.201, 299.415



98, 26.038, 116.442

Rectangle

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



84, 27.201, 299.415



84, 27.201, 349.415



84, 27.201, 119.415



84, 27.201, 169.415

Sweetspot

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



84, 27.199, 299.414



95, 7.948, 298.258



94, 14.442, 218.176



50, 5.278, 298.307



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, 27.199, 299.414



81, 32.896, 299.782



86, 29.404, 316.058



49, 7.579, 298.525



24, 106.238, 307.208



4, 44.550, 305.467

Inverse Universe

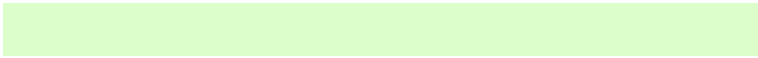
The Inverse Universe completely reimagines the original color for something new.



87, 27.947, 331.651



85, 33.560, 331.916



96, 28.930, 134.294



50, 7.906, 330.952



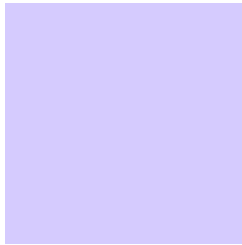
43, 79.924, 337.936



11, 37.427, 336.543

Previews

White Background



This preview shows how the CIELCh color 84, 27.201, 299.415 looks on a white background.

Color Contrast Check

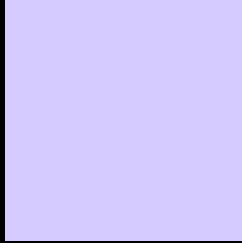
Large Text (above 18pt) WCAG AA × Fail

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, 27.201, 299.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

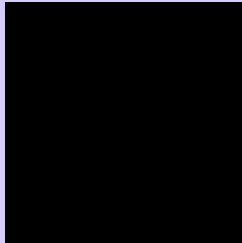
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 27.201, 299.415

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.201, 299.415.

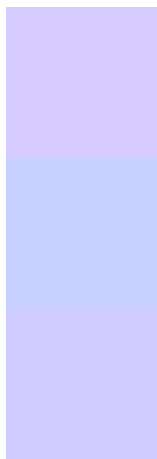


This preview shows how white text looks on a background with the CIELCh color 84, 27.201, 299.415.

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, 27.225, 299.422

Protanopia

84, 24.885, 285.524

Deuteranopia

84, 25.922, 294.543



Tritanopia
84, 8.975, 290.954

Trichromacy



Original Color
84, 27.225, 299.422

Protanomaly
84, 25.864, 290.915

Deuteranomaly
84, 26.538, 296.679

Tritanomaly
84, 15.933, 296.471

Monochromacy



Original Color
84, 27.225, 299.422

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 9.566, 297.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.201, 299.415 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(213, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 203, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.201, 299.415 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(213, 203, 254) }
```

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

```
.border{ border-color:rgb(213, 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(213, 203, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(213, 203,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.201, 299.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 203, 254) }
```

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

```
.background{ background-color: rgb(213,  
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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