

Converting Colors

CIELCh(84, 27.785, 301.358)

Have a look what the booklet for
CIELCh(84, 27.785, 301.358)
contains.

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Color

CIELCh(84, 27.913, 301.364)

Conversions

Conversions Part 1

Format	Color
Hex	D7CAFE
RGB	215, 202, 254
RGB Percent	84%, 79%, 100%
CMY	0.1556, 0.2066, 0.0026
CMYK	0.15, 0.20, 0.00, 0.00
HSL	255°, 98%, 90%
HSV	255°, 20%, 100%
XYZ	67.2596, 64.0658, 102.8694
YIQ	211.8150, -8.9440, 18.9280

Conversions

Conversions Part 2

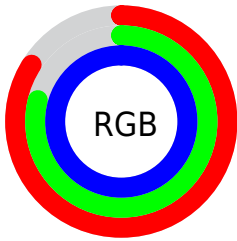
Format	Color
R _Y B	215, 202, 254
Decimal	14142206
CIE Lab	84.00, 14.53, -23.83
CIE LCh	84, 27.913, 301.364
Yxy	64.0658, 0.2872, 0.2736
Android (android.graphics.Color)	4292332286 (0xFFD7CAFE)
YUV	211.8150, 20.7972, 2.7932
Hunter-Lab	80.0411, 9.9240, -20.1712

Details

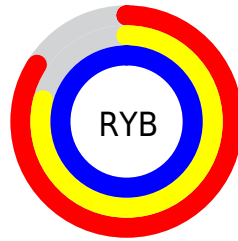
The CIELCh color `84, 27.913, 301.364` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 26.753, 118.616`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 27.785, 301.525` is the 20% darker color. If you saturate the color by 10%, you get `76, 42.333, 302.232`, and if you desaturate by 10%, it is `92, 14.002, 300.599`.

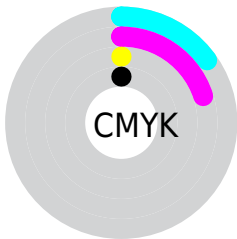
Distribution



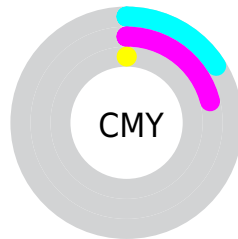
- Red (84%)
- Green (79%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 27.913, 301.364 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, 27.913, 301.364 by changing the saturation by 10% instead.

 84, 27.913,
301.364

 84, 27.913,
301.364


 100, 27.913,
301.364


 74, 27.913,
301.364

 64, 27.913,
301.364

 54, 27.913,
301.364

 44, 27.913,
301.364

 34, 27.913,
301.364

 24, 27.913,
301.364

 14, 27.913,

301.364

■ 4, 27.913, 301.364

■ 0, 27.913, 301.364

■ 84, 27.913,
301.364

■ 84, 27.913,
301.364

■ 76, 42.333,
302.232

■ 92, 14.002,
300.599

■ 69, 57.229,
303.204

■ 99, 0.603, 299.877

■ 61, 72.475,
304.263

100, 0.325,
109.915

■ 54, 87.773,
305.361

■ 47, 102.506,

306.405

■ 42, 115.573,
307.239

■ 37, 125.408,
307.655

■ 35, 130.926,
307.583

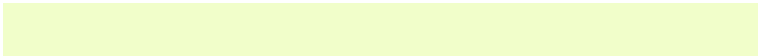
Harmonies

Complementary

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



84, 27.913, 301.364



98, 26.753, 118.616

Rectangle

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



84, 27.913, 301.364



84, 27.913, 351.364



84, 27.913, 121.364



84, 27.913, 171.364

Sweetspot

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



84, 27.911, 301.363



95, 7.994, 300.289



93, 14.335, 226.754



50, 5.308, 300.334



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, 27.911, 301.363



81, 34.483, 301.745



86, 30.499, 318.180



49, 7.621, 300.531



25, 105.462, 307.716



4, 44.658, 306.580

Inverse Universe

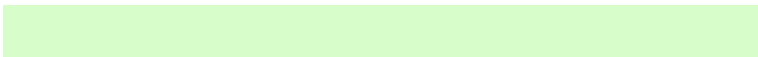
The Inverse Universe completely reimagines the original color for something new.



87, 27.462, 333.704



84, 33.668, 334.033



96, 30.118, 136.320



50, 7.607, 332.933



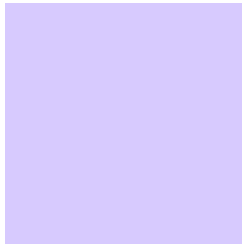
43, 76.848, 341.400



11, 36.122, 339.430

Previews

White Background



This preview shows how the CIELCh color 84, 27.913, 301.364 looks on a white background.

Color Contrast Check

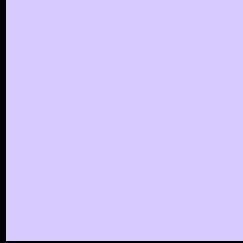
Large Text (above 18pt) WCAG AA × Fail

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, 27.913, 301.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

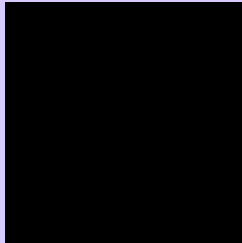
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 27.913, 301.364

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.913, 301.364.

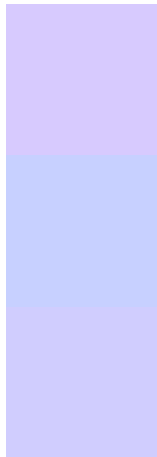


This preview shows how white text looks on a background with the CIELCh color 84, 27.913, 301.364.

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

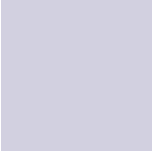
84, 27.913, 301.364

Protanopia

84, 24.885, 285.524

Deuteranopia

84, 25.922, 294.543



Tritanopia
84, 8.487, 295.664

Trichromacy



Original Color
84, 27.913, 301.364

Protanomaly
84, 25.863, 291.636

Deuteranomaly
84, 26.567, 297.391

Tritanomaly
84, 15.492, 299.151

Monochromacy



Original Color
84, 27.913, 301.364

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 10.204, 300.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.913, 301.364 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(215, 202, 254)` looks like.

```
.text, #text, p{  
    color:rgb(215, 202, 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(215, 202, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 202, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.913, 301.364 is called "border". The border property can be set on classes, ids or directly on the HTML element.

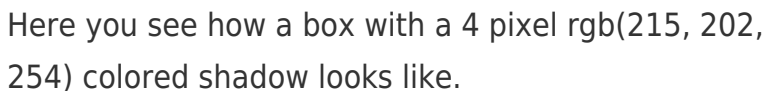
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 202, 254) }
```

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

```
.border{ border-color:rgb(215, 202, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 202, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 202, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 202, 254); box-shadow:4px 4px 4px 4px rgb(215, 202, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.913, 301.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 202, 254) }
```

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

```
.background{ background-color: rgb(215,  
202, 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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