

Converting Colors

CIELCh(84, 29.760, 305.764)

Have a look what the booklet for
CIELCh(84, 29.760, 305.764)
contains.

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Color

CIELCh(84, 30.026, 306.053)

Conversions

Conversions Part 1

Format	Color
Hex	DDC8FF
RGB	221, 200, 255
RGB Percent	87%, 78%, 100%
CMY	0.1324, 0.2147, 0.0000
CMYK	0.13, 0.21, 0.00, 0.00
HSL	263°, 100%, 89%
HSV	263°, 21%, 100%
XYZ	68.6931, 64.0658, 103.5644
YIQ	212.5490, -5.1390, 21.5570

Conversions

Conversions Part 2

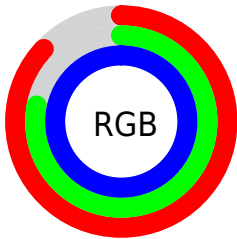
Format	Color
R _Y B	221, 200, 255
Decimal	14534911
CIE Lab	84.00, 17.67, -24.28
CIE LCh	84, 30.026, 306.053
Yxy	64.0658, 0.2907, 0.2711
Android (android.graphics.Color)	4292724991 (0xFFDDC8FF)
YUV	212.5490, 20.9283, 7.4115
Hunter-Lab	80.0411, 13.1210, -20.6860

Details

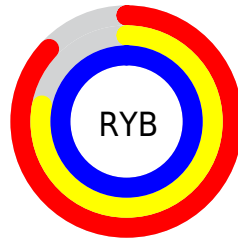
The CIELCh color `84, 30.026, 306.053` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 28.801, 123.792`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 29.913, 305.773` is the 20% darker color. If you saturate the color by 10%, you get `77, 44.499, 306.771`, and if you desaturate by 10%, it is `91, 15.716, 305.505`.

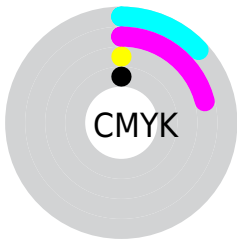
Distribution



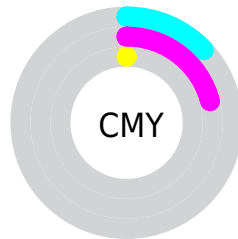
- Red (87%)
- Green (78%)
- Blue (100%)



- Red (87%)
- Yellow (78%)
- Blue (100%)



- Cyan (13%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 30.026, 306.053 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, 30.026, 306.053 by changing the saturation by 10% instead.


 84, 30.026,
306.053


 84, 30.026,
306.053


 100, 30.026,
306.053


 74, 30.026,
306.053

 64, 30.026,
306.053

 54, 30.026,
306.053

 44, 30.026,
306.053

 34, 30.026,
306.053

 24, 30.026,
306.053

 14, 30.026,

306.053

■ 4, 30.026, 306.053

■ 0, 30.026, 306.053

■ 84, 30.026,
306.053

■ 84, 30.026,
306.053

■ 77, 44.499,
306.771

■ 91, 15.716,
305.505

■ 69, 59.432,
307.484

■ 99, 1.994, 304.929

■ 62, 74.494,
308.218

100, 0.012,
296.813

■ 55, 89.300,
308.921

■ 49, 103.171,

309.506

■ 44, 115.062,
309.843

■ 40, 123.701,
309.775

■ 37, 128.166,
309.375

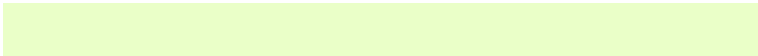
Harmonies

Complementary

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



84, 30.026, 306.053



97, 28.801, 123.792

Rectangle

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



84, 30.026, 306.053



84, 30.026, 356.053



84, 30.026, 126.053



84, 30.026, 176.053

Sweetspot

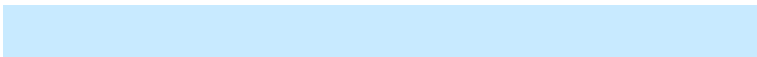
The Sweet Spot groups the original color and five complimentary colors.



84, 29.896, 306.108



96, 8.148, 305.198



91, 15.285, 244.528



50, 5.410, 305.234



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, 29.896, 306.108



81, 36.458, 306.401



86, 33.238, 322.270



49, 7.763, 305.393



27, 103.013, 309.555



5, 44.880, 309.767

Inverse Universe

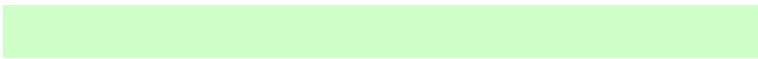
The Inverse Universe completely reimagines the original color for something new.



86, 26.350, 339.550



84, 31.954, 339.950



96, 33.048, 140.045



50, 6.917, 338.551



42, 70.894, 351.574



11, 33.420, 347.803

Previews

White Background



This preview shows how the CIELCh color 84, 30.026, 306.053 looks on a white background.

Color Contrast Check

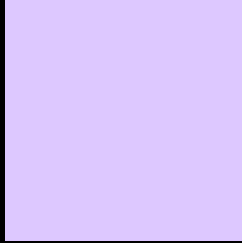
Large Text (above 18pt) WCAG AA × Fail

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, 30.026, 306.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

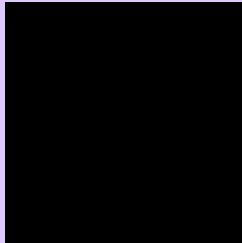
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 30.026, 306.053

Background



This preview shows how black text looks on a background with the CIELCh color 84, 30.026, 306.053.

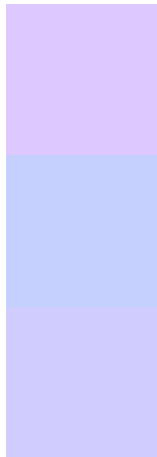


This preview shows how white text looks on a background with the CIELCh color 84, 30.026, 306.053.

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, 30.026, 306.053

Protanopia

84, 24.917, 284.792

Deuteranopia

84, 25.922, 294.543



Tritanopia
84, 9.211, 313.592

Trichromacy



Original Color
84, 30.026, 306.053

Protanomaly
84, 26.423, 293.118

Deuteranomaly
84, 27.225, 299.422

Tritanomaly
84, 16.650, 308.496

Monochromacy



Original Color
84, 30.026, 306.053

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 10.955, 305.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 30.026, 306.053 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(221, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 200, 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(221, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 200, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 30.026, 306.053 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(221, 200, 255) }
```

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

```
.border{ border-color:rgb(221, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 200,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 30.026, 306.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 200, 255) }
```

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

```
.background{ background-color: rgb(221,  
200, 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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