

Converting Colors

CIELCh(88, 77.563, 301.975)

Have a look what the booklet for
CIELCh(88, 77.563, 301.975)
contains.

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Color

CIELCh(84, 31.371, 311.314)

Conversions

Conversions Part 1

Format	Color
Hex	E4C6FE
RGB	228, 198, 254
RGB Percent	89%, 78%, 100%
CMY	0.1058, 0.2233, 0.0039
CMYK	0.10, 0.22, 0.00, 0.00
HSL	272°, 97%, 89%
HSV	272°, 22%, 100%
XYZ	70.0985, 64.0658, 102.4432
YIQ	213.3540, -0.0960, 23.7760

Conversions

Conversions Part 2

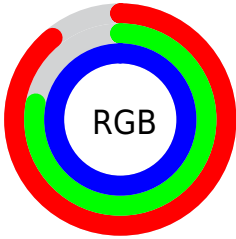
Format	Color
R _Y B	228, 198, 254
Decimal	14993150
CIE _{Lab}	84.00, 20.71, -23.56
CIE _{LCh}	84, 31.371, 311.314
Yxy	64.0658, 0.2963, 0.2708
Android (android.graphics.Color)	4293183230 (0xFFE4C6FE)
YUV	213.3540, 20.0385, 12.8445
Hunter-Lab	80.0411, 16.2551, -19.8554

Details

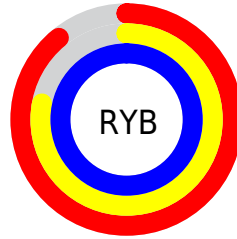
The CIELCh color **84, 31.371, 311.314** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 30.502, 129.305**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **64, 31.296, 311.297** is the 20% darker color. If you saturate the color by 10%, you get **77, 46.121, 311.823**, and if you desaturate by 10%, it is **91, 16.906, 310.827**.

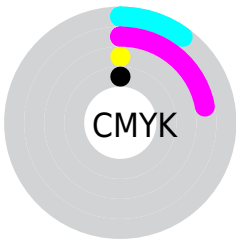
Distribution



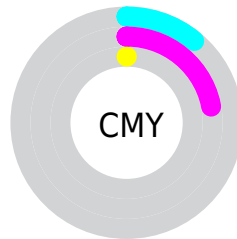
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 31.371, 311.314 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, 31.371, 311.314 by changing the saturation by 10% instead.


 84, 31.371,
311.314

 84, 31.371,
311.314


 100, 31.371,
311.314


 74, 31.371,
311.314

 64, 31.371,
311.314

 54, 31.371,
311.314

 44, 31.371,
311.314

 34, 31.371,
311.314

 24, 31.371,
311.314

 14, 31.371,

311.314

■ 4, 31.371, 311.314

■ 0, 31.371, 311.314

■ 84, 31.371,
311.314

■ 84, 31.371,
311.314

■ 77, 46.121,
311.823

■ 91, 16.906,
310.827

■ 70, 61.001,
312.337

■ 98, 2.818, 310.334

■ 64, 75.722,
312.823

100, 0.492,
109.984

■ 57, 89.811,
313.227

■ 52, 102.556,

313.473

■ 47, 113.021,
313.460

■ 44, 120.260,
313.080

■ 42, 123.708,
312.517

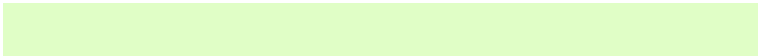
Harmonies

Complementary

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



84, 31.371, 311.314



96, 30.502, 129.305

Rectangle

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



84, 31.371, 311.314



84, 31.371, 1.314



84, 31.371, 131.314



84, 31.371, 181.314

Sweetspot

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



84, 31.369, 311.313



95, 9.805, 310.590



88, 17.523, 262.257



50, 6.376, 310.619



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, 31.369, 311.313



81, 37.319, 311.514



86, 34.339, 326.571



49, 7.990, 310.708



31, 99.763, 312.711



6, 44.850, 313.863

Inverse Universe

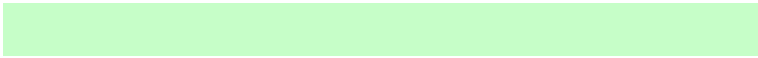
The Inverse Universe completely reimagines the original color for something new.



85, 24.427, 347.658



83, 29.016, 348.095



95, 34.313, 143.877



50, 6.235, 346.396



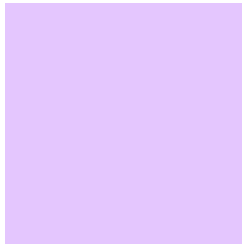
41, 68.012, 5.539



10, 31.579, 359.397

Previews

White Background



This preview shows how the CIELCh color 84, 31.371, 311.314 looks on a white background.

Color Contrast Check

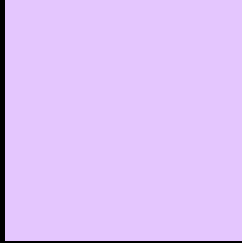
Large Text (above 18pt) WCAG AA × Fail

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, 31.371, 311.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

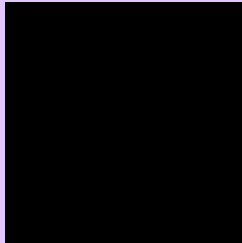
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 31.371, 311.314

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.371, 311.314.

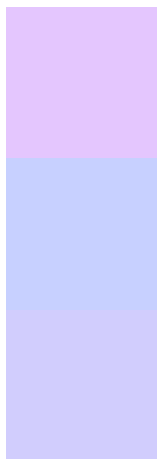


This preview shows how white text looks on a background with the CIELCh color 84, 31.371, 311.314.

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, 31.398, 311.318

Protanopia

84, 24.885, 285.524

Deuteranopia

84, 25.415, 295.294



Tritanopia
84, 10.909, 329.583

Trichromacy



Original Color
84, 31.398, 311.318

Protanomaly
84, 27.062, 296.629

Deuteranomaly
84, 27.449, 302.204

Tritanomaly
84, 17.867, 318.355

Monochromacy



Original Color
84, 31.398, 311.318

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 11.162, 309.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.371, 311.314 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(228, 198, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 198, 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(228, 198, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 198, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.371, 311.314 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(228, 198, 254) }
```

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

```
.border{ border-color:rgb(228, 198, 254) }
```

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

Here you see how a box with a 4 pixel rgb(228, 198, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 198, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 198, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 198,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.371, 311.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 198, 254) }
```

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

```
.background{ background-color: rgb(228,  
198, 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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