

Converting Colors

CIELCh(86, 44.588, 306.165)

Have a look what the booklet for
CIELCh(86, 44.588, 306.165)
contains.

CIELCh(85, 30.336, 311.937)	3
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Color

CIELCh(85, 30.336, 311.937)

Conversions

Conversions Part 1

Format	Color
Hex	E7C9FF
RGB	231, 201, 255
RGB Percent	91%, 79%, 100%
CMY	0.0940, 0.2116, 0.0000
CMYK	0.09, 0.21, 0.00, 0.00
HSL	273°, 100%, 89%
HSV	273°, 21%, 100%
XYZ	71.9173, 66.0070, 103.5885
YIQ	216.1260, 0.5460, 23.1540

Conversions

Conversions Part 2

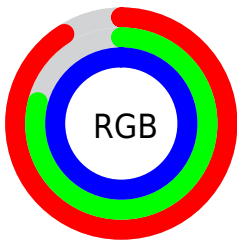
Format	Color
R _Y B	231, 201, 255
Decimal	15190527
CIE _{Lab}	85.00, 20.27, -22.57
CIE _{LCh}	85, 30.336, 311.937
Yxy	66.0070, 0.2978, 0.2733
Android (android.graphics.Color)	4293380607 (0xFFE7C9FF)
YUV	216.1260, 19.1649, 13.0445
Hunter-Lab	81.2447, 15.8288, -18.7245

Details

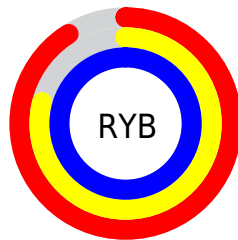
The CIELCh color `85, 30.336, 311.937` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `97, 29.552, 130.049`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 30.158, 311.927` is the 20% darker color. If you saturate the color by 10%, you get `78, 45.126, 312.443`, and if you desaturate by 10%, it is `92, 15.788, 311.473`.

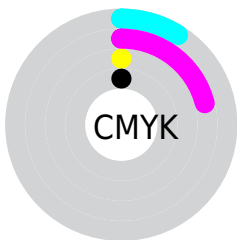
Distribution



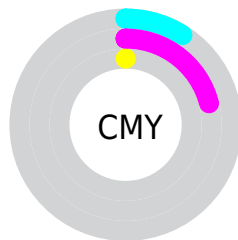
- Red (91%)
- Green (79%)
- Blue (100%)



- Red (91%)
- Yellow (79%)
- Blue (100%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.336, 311.937 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 85, 30.336, 311.937 by changing the saturation by 10% instead.


 85, 30.336,
311.937


 85, 30.336,
311.937


 100, 30.336,
311.937


 75, 30.336,
311.937


 65, 30.336,
311.937

 55, 30.336,
311.937

 45, 30.336,
311.937

 35, 30.336,
311.937

 25, 30.336,
311.937

 15, 30.336,

311.937

■ 5, 30.336, 311.937

■ 0, 30.336, 311.937

■ 85, 30.336,
311.937

■ 85, 30.336,
311.937

■ 78, 45.126,
312.443

■ 92, 15.788,
311.473

■ 71, 60.055,
312.940

■ 99, 1.629, 310.946

■ 65, 74.817,
313.407

100, 0.012,
296.813

■ 59, 88.947,
313.794

■ 53, 101.747,

314.028

■ 48, 112.308,
314.014

■ 45, 119.706,
313.647

■ 43, 123.525,
313.023

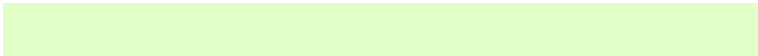
Harmonies

Complementary

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



85, 30.336, 311.937



97, 29.552, 130.049

Rectangle

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



85, 30.336, 311.937



85, 30.336, 1.937



85, 30.336, 131.937



85, 30.336, 181.937

Sweetspot

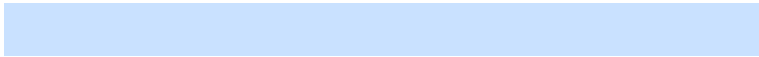
The Sweet Spot groups the original color and five complimentary colors.



85, 30.315, 311.949



96, 8.431, 311.234



89, 17.178, 263.807



51, 5.597, 311.265



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 30.315, 311.949



82, 35.975, 312.137



87, 32.718, 327.000



49, 8.025, 311.397



31, 99.327, 313.217



7, 44.805, 314.430

Inverse Universe

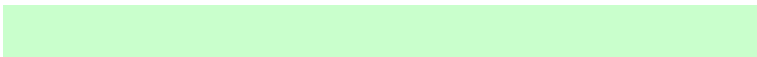
The Inverse Universe completely reimagines the original color for something new.



86, 23.238, 348.769



84, 27.552, 349.197



95, 32.687, 144.403



50, 6.154, 347.574



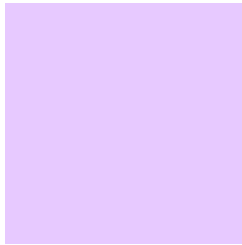
41, 68.007, 7.514



10, 31.456, 1.077

Previews

White Background



This preview shows how the CIELCh color 85, 30.336, 311.937 looks on a white background.

Color Contrast Check

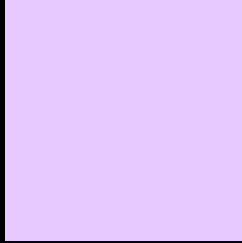
Large Text (above 18pt) WCAG AA × Fail

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 85, 30.336, 311.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

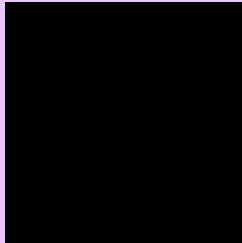
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 30.336, 311.937

Background



This preview shows how black text looks on a background with the CIELCh color 85, 30.336, 311.937.

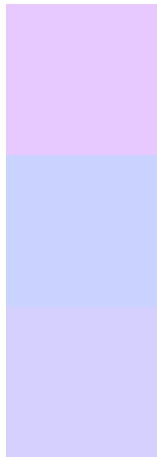


This preview shows how white text looks on a background with the CIELCh color 85, 30.336, 311.937.

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

85, 30.336, 311.937

Protanopia

85, 23.261, 284.857

Deuteranopia

85, 24.323, 296.109



Tritanopia
85, 10.880, 329.577

Trichromacy



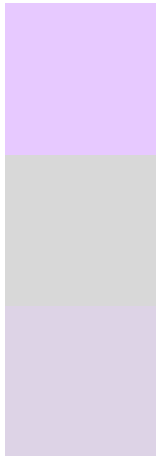
Original Color
85, 30.336, 311.937

Protanomaly
85, 25.420, 296.768

Deuteranomaly
85, 26.406, 303.255

Tritanomaly
85, 17.821, 318.348

Monochromacy



Original Color
85, 30.336, 311.937

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 10.638, 310.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 30.336, 311.937 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(231, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 201, 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(231, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 201, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 30.336, 311.937 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(231, 201, 255) }
```

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

```
.border{ border-color:rgb(231, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 201,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 30.336, 311.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 201, 255) }
```

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

```
.background{ background-color: rgb(231,  
201, 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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