

Converting Colors

CIELCh(84, 38.738, 309.727)

Have a look what the booklet for
CIELCh(84, 38.738, 309.727)
contains.

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Color

CIELCh(84, 33.246, 312.158)

Conversions

Conversions Part 1

Format	Color
Hex	E6C5FF
RGB	230, 197, 255
RGB Percent	90%, 77%, 100%
CMY	0.0978, 0.2273, 0.0000
CMYK	0.10, 0.23, 0.00, 0.00
HSL	274°, 100%, 89%
HSV	274°, 23%, 100%
XYZ	70.8475, 64.0658, 104.1498
YIQ	213.4790, 1.0500, 25.0340

Conversions

Conversions Part 2

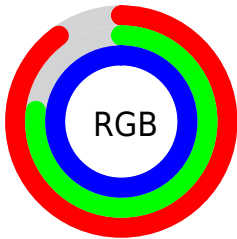
Format	Color
R _Y B	230, 197, 255
Decimal	15123967
CIE _{Lab}	84.00, 22.31, -24.65
CIE _{LCh}	84, 33.246, 312.158
Y _{xy}	64.0658, 0.2964, 0.2680
Android (android.graphics.Color)	4293314047 (0xFFE6C5FF)
Y _{UV}	213.4790, 20.4699, 14.4889
Hunter-Lab	80.0411, 17.9255, -21.1196

Details

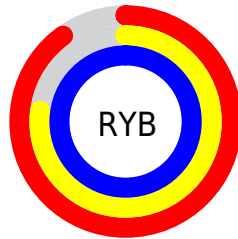
The CIELCh color $84, 33.246, 312.158$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $96, 31.863, 130.447$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.630, 323.973$, and $64, 32.680, 312.508$ is the 20% darker color. If you saturate the color by 10%, you get $77, 47.579, 312.973$, and if you desaturate by 10%, it is $91, 18.104, 312.013$.

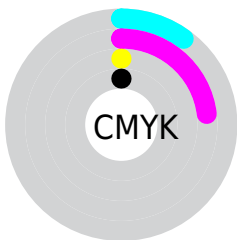
Distribution



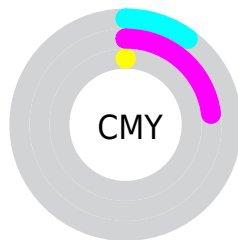
- Red (90%)
- Green (77%)
- Blue (100%)



- Red (90%)
- Yellow (77%)
- Blue (100%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 33.246, 312.158 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, 33.246, 312.158 by changing the saturation by 10% instead.


 84, 33.246,
312.158


 84, 33.246,
312.158


 100, 33.246,
312.158


 74, 33.246,
312.158

 64, 33.246,
312.158

 54, 33.246,
312.158

 44, 33.246,
312.158

 34, 33.246,
312.158

 24, 33.246,
312.158

 14, 33.246,

312.158

■ 4, 33.246, 312.158

■ 0, 33.246, 312.158

■ 84, 33.246,
312.158

■ 84, 33.246,
312.158

■ 77, 47.579,
312.973

■ 91, 18.104,
312.013

■ 70, 62.505,
313.457

■ 98, 3.842, 311.540

■ 64, 77.176,
313.900

100, 0.012,
296.813

■ 58, 91.086,
314.251

■ 53, 103.502,

314.435

■ 48, 113.504,
314.355

■ 45, 120.229,
313.914

■ 43, 123.151,
313.381

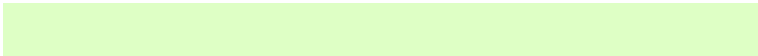
Harmonies

Complementary

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



84, 33.246, 312.158



96, 31.863, 130.447

Rectangle

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



84, 33.246, 312.158



84, 33.246, 2.158



84, 33.246, 132.158



84, 33.246, 182.158

Sweetspot

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



84, 32.717, 312.486



95, 9.880, 311.750



88, 18.780, 265.734



50, 6.424, 311.777



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, 32.717, 312.486



81, 39.036, 312.693



86, 34.756, 327.581



49, 8.050, 311.864



32, 99.033, 313.575



7, 44.768, 314.819

Inverse Universe

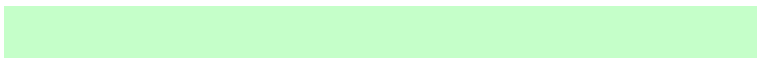
The Inverse Universe completely reimagines the original color for something new.



85, 24.804, 349.784



83, 29.573, 350.279



95, 34.720, 144.745



50, 6.100, 348.396



41, 68.059, 8.867



10, 31.391, 2.238

Previews

White Background



This preview shows how the CIELCh color 84, 33.246, 312.158 looks on a white background.

Color Contrast Check

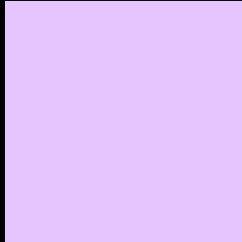
Large Text (above 18pt) WCAG AA × Fail

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, 33.246, 312.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

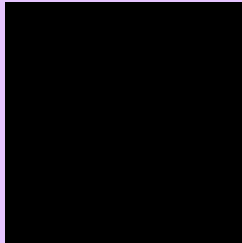
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 33.246, 312.158

Background



This preview shows how black text looks on a background with the CIELCh color 84, 33.246, 312.158.

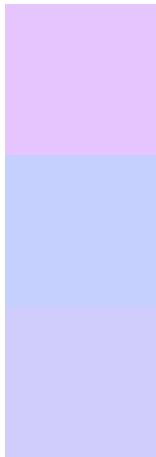


This preview shows how white text looks on a background with the CIELCh color 84, 33.246, 312.158.

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, 32.728, 312.458

Protanopia
84, 24.917, 284.792

Deuteranopia
84, 25.396, 294.550



Tritanopia
84, 11.387, 332.470

Trichromacy



Original Color
84, 32.728, 312.458

Protanomaly
84, 27.062, 296.629

Deuteranomaly
84, 27.967, 302.043

Tritanomaly
84, 18.669, 319.589

Monochromacy



Original Color
84, 32.728, 312.458

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 11.898, 311.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 33.246, 312.158 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(230, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 197, 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(230, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 33.246, 312.158 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(230, 197, 255) }
```

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

```
.border{ border-color:rgb(230, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 197,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 33.246, 312.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 197, 255) }
```

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

```
.background{ background-color: rgb(230,  
197, 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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