

Converting Colors

CIELCh(83, 34.020, 309.440)

Have a look what the booklet for
CIELCh(83, 34.020, 309.440)
contains.

CIELCh(83, 33.368, 309.636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 33.368, 309.636)

Conversions

Conversions Part 1

Format	Color
Hex	E0C3FF
RGB	224, 195, 255
RGB Percent	88%, 76%, 100%
CMY	0.1212, 0.2349, 0.0000
CMYK	0.12, 0.23, 0.00, 0.00
HSL	269°, 100%, 88%
HSV	269°, 23%, 100%
XYZ	68.3740, 62.1629, 103.0877
YIQ	210.5110, -1.9760, 24.8080

Conversions

Conversions Part 2

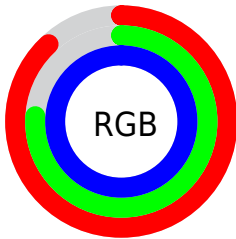
Format	Color
R _Y B	224, 195, 255
Decimal	14730239
CIE Lab	83.00, 21.29, -25.70
CIE LCh	83, 33.368, 309.636
Yxy	62.1629, 0.2927, 0.2661
Android (android.graphics.Color)	4292920319 (0xFFE0C3FF)
YUV	210.5110, 21.9331, 11.8299
Hunter-Lab	78.8435, 16.8212, -22.3311

Details

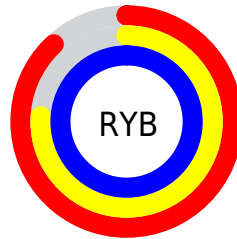
The CIELCh color **83, 33.368, 309.636** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **97, 32.207, 127.412**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 1.871, 324.342**, and **63, 33.405, 309.580** is the 20% darker color. If you saturate the color by 10%, you get **76, 48.086, 310.217**, and if you desaturate by 10%, it is **90, 18.866, 309.138**.

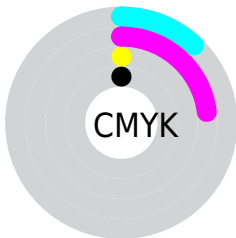
Distribution



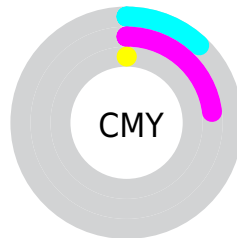
- Red (88%)
- Green (76%)
- Blue (100%)



- Red (88%)
- Yellow (76%)
- Blue (100%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 33.368, 309.636 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 83, 33.368, 309.636 by changing the saturation by 10% instead.


 83, 33.368,
309.636


 83, 33.368,
309.636


 100, 33.368,
309.636


 73, 33.368,
309.636

 63, 33.368,
309.636

 53, 33.368,
309.636

 43, 33.368,
309.636

 33, 33.368,
309.636

 23, 33.368,
309.636

 13, 33.368,

309.636

■ 3, 33.368, 309.636

■ 0, 33.368, 309.636

■ 83, 33.368,
309.636

■ 83, 33.368,
309.636

■ 76, 48.086,
310.217

■ 90, 18.866,
309.138

■ 69, 63.025,
310.787

■ 97, 4.815, 308.640

■ 62, 77.850,
311.335

100, 0.012,
296.813

■ 56, 92.075,
311.805

■ 50, 104.950,

312.111

■ 46, 115.463,
312.136

■ 42, 122.589,
311.761

■ 40, 125.485,
311.321

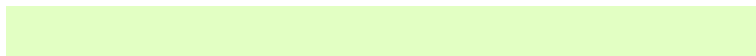
Harmonies

Complementary

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



83, 33.368, 309.636



97, 32.207, 127.412

Rectangle

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



83, 33.368, 309.636



83, 33.368, 359.636



83, 33.368, 129.636



83, 33.368, 179.636

Sweetspot

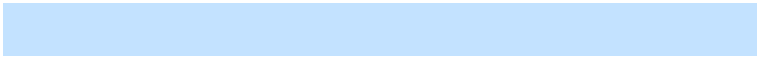
The Sweet Spot groups the original color and five complimentary colors.



83, 33.315, 309.662



95, 9.699, 308.816



89, 17.864, 257.077



50, 6.308, 308.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 33.315, 309.662



80, 39.944, 309.909



86, 37.391, 325.260



49, 7.906, 308.939



30, 100.876, 311.516



6, 44.913, 312.442

Inverse Universe

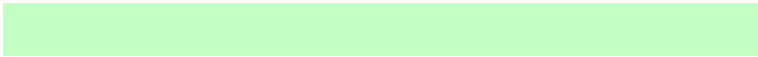
The Inverse Universe completely reimagines the original color for something new.



85, 27.006, 344.891



82, 32.265, 345.363



95, 37.348, 142.467



50, 6.451, 343.554



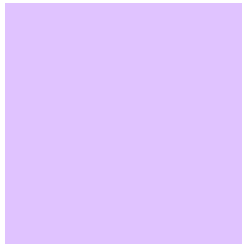
41, 68.442, 0.610



10, 32.027, 355.259

Previews

White Background



This preview shows how the CIELCh color 83, 33.368, 309.636 looks on a white background.

Color Contrast Check

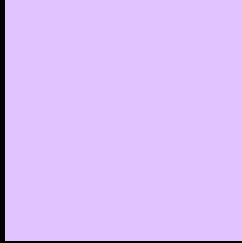
Large Text (above 18pt) WCAG AA × Fail

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 83, 33.368, 309.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

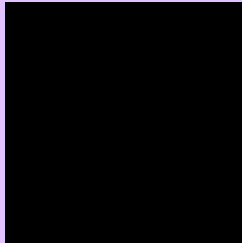
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 33.368, 309.636

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.368, 309.636.

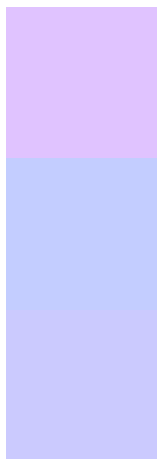


This preview shows how white text looks on a background with the CIELCh color 83, 33.368, 309.636.

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

83, 33.368, 309.636

Protanopia

83, 26.548, 285.451

Deuteranopia

83, 27.549, 293.202



Tritanopia
83, 10.282, 324.817

Trichromacy



Original Color
83, 33.368, 309.636

Protanomaly
83, 28.690, 295.873

Deuteranomaly
83, 29.503, 300.344

Tritanomaly
83, 18.564, 314.907

Monochromacy



Original Color
83, 33.368, 309.636

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 12.304, 309.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 33.368, 309.636 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(224, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 195, 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(224, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 195, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.368, 309.636 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(224, 195, 255) }
```

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

```
.border{ border-color:rgb(224, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 195,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.368, 309.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 195, 255) }
```

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

```
.background{ background-color: rgb(224,  
195, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor