

Converting Colors

CIELCh(84, 42.608, 305.301)

Have a look what the booklet for
CIELCh(84, 42.608, 305.301)
contains.

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Color

CIELCh(83, 32.747, 309.319)

Conversions

Conversions Part 1

Format	Color
Hex	DFC3FE
RGB	223, 195, 254
RGB Percent	87%, 76%, 100%
CMY	0.1238, 0.2336, 0.0023
CMYK	0.12, 0.23, 0.00, 0.00
HSL	268°, 98%, 88%
HSV	268°, 23%, 100%
XYZ	68.1289, 62.1629, 102.5170
YIQ	210.0980, -2.2510, 24.2850

Conversions

Conversions Part 2

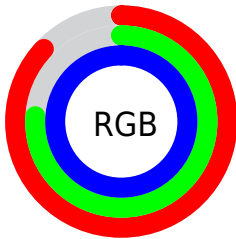
Format	Color
R _Y B	223, 195, 254
Decimal	14664702
CIE Lab	83.00, 20.75, -25.33
CIE LCh	83, 32.747, 309.319
Yxy	62.1629, 0.2926, 0.2670
Android (android.graphics.Color)	4292854782 (0xFFDFC3FE)
YUV	210.0980, 21.6437, 11.3151
Hunter-Lab	78.8435, 16.2663, -21.9020

Details

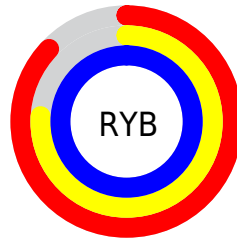
The CIELCh color $83, 32.747, 309.319$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $97, 31.649, 127.080$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 1.871, 324.342$, and $63, 32.788, 309.246$ is the 20% darker color. If you saturate the color by 10%, you get $76, 47.469, 309.883$, and if you desaturate by 10%, it is $90, 18.354, 308.789$.

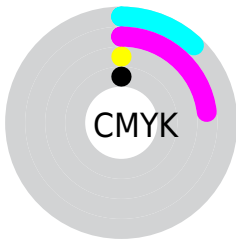
Distribution



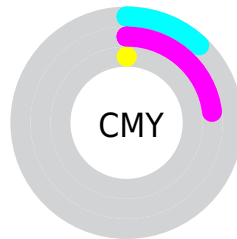
- Red (87%)
- Green (76%)
- Blue (100%)



- Red (87%)
- 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, 32.747, 309.319 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, 32.747, 309.319 by changing the saturation by 10% instead.


 83, 32.747,
309.319


 83, 32.747,
309.319


 100, 32.747,
309.319


 73, 32.747,
309.319

 63, 32.747,
309.319

 53, 32.747,
309.319

 43, 32.747,
309.319

 33, 32.747,
309.319

 23, 32.747,
309.319

 13, 32.747,

309.319

■ 3, 32.747, 309.319

■ 0, 32.747, 309.319

■ 83, 32.747,
309.319

■ 83, 32.747,
309.319

■ 76, 47.469,
309.883

■ 90, 18.354,
308.789

■ 69, 62.381,
310.464

■ 97, 4.367, 308.285

■ 62, 77.209,
311.029

100, 0.288,
109.888

■ 56, 91.480,
311.520

■ 50, 104.456,

311.852

■ 45, 115.123,
311.908

■ 42, 122.430,
311.562

■ 40, 125.526,
311.113

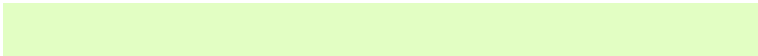
Harmonies

Complementary

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



83, 32.747, 309.319



97, 31.649, 127.080

Rectangle

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



83, 32.747, 309.319



83, 32.747, 359.319



83, 32.747, 129.319



83, 32.747, 179.319

Sweetspot

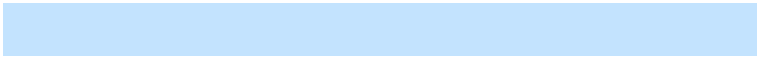
The Sweet Spot groups the original color and five complimentary colors.



83, 32.745, 309.318



95, 9.681, 308.480



89, 17.350, 255.099



50, 6.295, 308.510



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, 32.745, 309.318



80, 39.885, 309.587



86, 36.654, 324.770



49, 7.891, 308.604



29, 101.085, 311.306



6, 44.918, 312.179

Inverse Universe

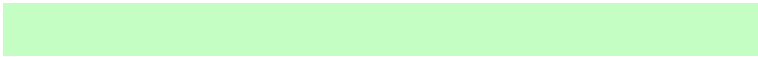
The Inverse Universe completely reimagines the original color for something new.



85, 26.756, 344.332



82, 32.458, 344.829



95, 36.584, 142.080



50, 6.493, 343.042



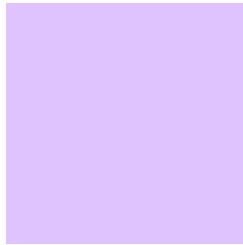
41, 68.588, 359.704



11, 32.132, 354.505

Previews

White Background



This preview shows how the CIELCh color 83, 32.747, 309.319 looks on a white background.

Color Contrast Check

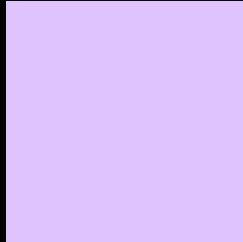
Large Text (above 18pt) WCAG AA × Fail

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, 32.747, 309.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

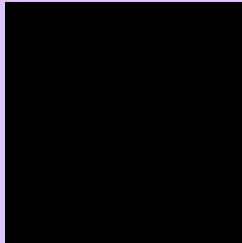
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 32.747, 309.319

Background



This preview shows how black text looks on a background with the CIELCh color 83, 32.747, 309.319.

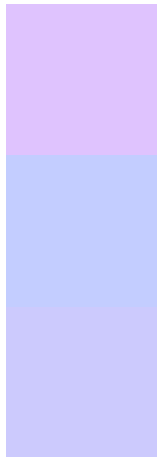


This preview shows how white text looks on a background with the CIELCh color 83, 32.747, 309.319.

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, 32.775, 309.324

Protanopia

83, 26.548, 285.451

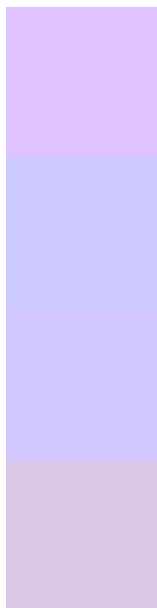
Deuteranopia

83, 27.032, 293.866



Tritanopia
83, 10.084, 323.103

Trichromacy



Original Color
83, 32.775, 309.324

Protanomaly
83, 28.100, 294.558

Deuteranomaly
83, 28.910, 299.799

Tritanomaly
83, 17.794, 313.472

Monochromacy



Original Color
83, 32.775, 309.324

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, 32.747, 309.319 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(223, 195, 254)` looks like.

```
.text, #text, p{  
    color:rgb(223, 195, 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(223, 195, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 195, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 32.747, 309.319 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(223, 195, 254) }
```

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

```
.border{ border-color:rgb(223, 195, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 195, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 195, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 195, 254);  
box-shadow:4px 4px 4px 4px rgb(223, 195,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 32.747, 309.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 195, 254) }
```

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

```
.background{ background-color: rgb(223,  
195, 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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