

Converting Colors

CIELCh(83, 33.991, 310.211)

Have a look what the booklet for
CIELCh(83, 33.991, 310.211)
contains.

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Color

CIElCh(83, 33.463, 310.197)

Conversions

Conversions Part 1

Format	Color
Hex	E1C3FF
RGB	225, 195, 255
RGB Percent	88%, 76%, 100%
CMY	0.1182, 0.2358, 0.0006
CMYK	0.12, 0.24, 0.00, 0.00
HSL	270°, 100%, 88%
HSV	270°, 24%, 100%
XYZ	68.5169, 62.1629, 102.8720
YIQ	210.8100, -1.3800, 25.0200

Conversions

Conversions Part 2

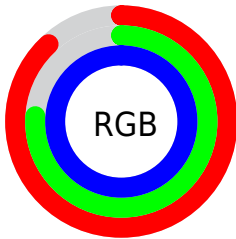
Format	Color
R _Y B	225, 195, 255
Decimal	14795775
CIE _{Lab}	83.00, 21.60, -25.56
CIE _{LCh}	83, 33.463, 310.197
Y _{xy}	62.1629, 0.2934, 0.2662
Android (android.graphics.Color)	4292985855 (0xFFE1C3FF)
YUV	210.8100, 21.7857, 12.4446
Hunter-Lab	78.8435, 17.1448, -22.1689

Details

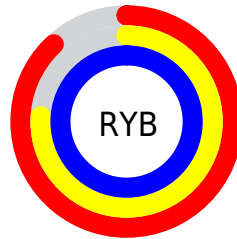
The CIELCh color **83, 33.463, 310.197** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **97, 32.384, 127.976**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 1.871, 324.342**, and **63, 33.495, 310.165** is the 20% darker color. If you saturate the color by 10%, you get **76, 48.243, 310.738**, and if you desaturate by 10%, it is **90, 18.985, 309.684**.

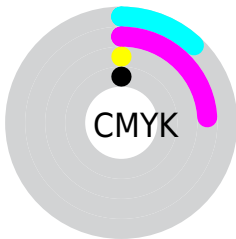
Distribution



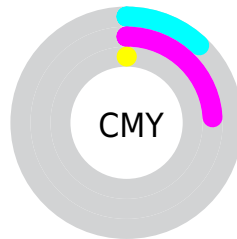
- Red (88%)
- Green (76%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 33.463, 310.197 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, 33.463, 310.197 by changing the saturation by 10% instead.


 83, 33.463,
310.197


 83, 33.463,
310.197


 100, 33.463,
310.197


 73, 33.463,
310.197

 63, 33.463,
310.197

 53, 33.463,
310.197

 43, 33.463,
310.197

 33, 33.463,
310.197

 23, 33.463,
310.197

 13, 33.463,

310.197

■ 3, 33.463, 310.197

■ 0, 33.463, 310.197

■ 83, 33.463,
310.197

■ 83, 33.463,
310.197

■ 76, 48.243,
310.738

■ 90, 18.985,
309.684

■ 69, 63.171,
311.288

■ 97, 4.896, 309.194

■ 62, 77.952,
311.813

100, 0.062,
108.926

■ 56, 92.093,
312.255

■ 51, 104.841,

312.529

■ 46, 115.202,
312.524

■ 42, 122.185,
312.123

■ 41, 124.997,
311.674

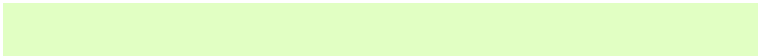
Harmonies

Complementary

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



83, 33.463, 310.197



97, 32.384, 127.976

Rectangle

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



83, 33.463, 310.197



83, 33.463, 0.197



83, 33.463, 130.197



83, 33.463, 180.197

Sweetspot

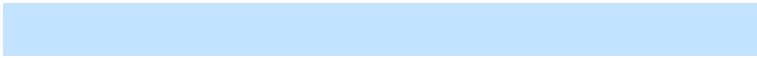
The Sweet Spot groups the original color and five complimentary colors.



83, 33.461, 310.196



95, 9.731, 309.365



89, 17.892, 257.085



50, 6.328, 309.394



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, 33.461, 310.196



80, 40.044, 310.435



86, 37.451, 325.263



49, 7.931, 309.486



30, 100.533, 311.869



6, 44.901, 312.876

Inverse Universe

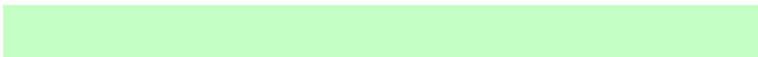
The Inverse Universe completely reimagines the original color for something new.



85, 26.783, 345.774



82, 31.955, 346.252



95, 37.408, 142.463



50, 6.383, 344.406



41, 68.247, 2.110



10, 31.869, 356.511

Previews

White Background



This preview shows how the CIELCh color 83, 33.463, 310.197 looks on a white background.

Color Contrast Check

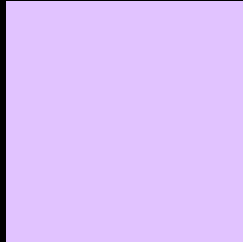
Large Text (above 18pt) WCAG AA × Fail

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, 33.463, 310.197 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, 33.463, 310.197

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.463, 310.197.

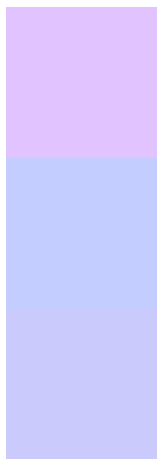


This preview shows how white text looks on a background with the CIELCh color 83, 33.463, 310.197.

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, 33.463, 310.197

Protanopia

83, 26.548, 285.451

Deuteranopia

83, 27.022, 293.174



Tritanopia
83, 10.489, 326.469

Trichromacy



Original Color
83, 33.463, 310.197

Protanomaly
83, 28.690, 295.873

Deuteranomaly
83, 29.503, 300.344

Tritanomaly
83, 18.706, 315.911

Monochromacy



Original Color
83, 33.463, 310.197

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, 33.463, 310.197 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(225, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 195, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.463, 310.197 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(225, 195, 255) }
```

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

```
.border{ border-color:rgb(225, 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(225, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 195,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.463, 310.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 195, 255) }
```

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

```
.background{ background-color: rgb(225,  
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](#).

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