

Converting Colors

CIELCh(83, 31.621, 305.577)

Have a look what the booklet for
CIELCh(83, 31.621, 305.577)
contains.

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Color

CIELCh(83, 31.639, 305.447)

Conversions

Conversions Part 1

Format	Color
Hex	DAC5FF
RGB	218, 197, 255
RGB Percent	85%, 77%, 100%
CMY	0.1445, 0.2268, 0.0000
CMYK	0.14, 0.23, 0.00, 0.00
HSL	262°, 100%, 89%
HSV	262°, 23%, 100%
XYZ	67.0382, 62.1629, 103.2100
YIQ	209.8910, -6.1020, 22.4900

Conversions

Conversions Part 2

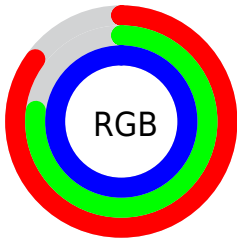
Format	Color
R_{YB}	218, 197, 255
Decimal	14337535
CIE _{Lab}	83.00, 18.35, -25.77
CIE _{LCh}	83, 31.639, 305.447
Yxy	62.1629, 0.2884, 0.2675
Android (android.graphics.Color)	4292527615 (0xFFDAC5FF)
YUV	209.8910, 22.2387, 7.1116
Hunter-Lab	78.8435, 13.7971, -22.4231

Details

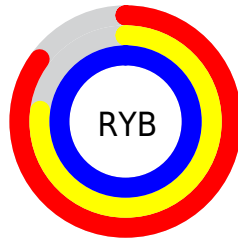
The CIELCh color `83, 31.639, 305.447` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 30.290, 122.943`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.630, 323.973`, and `63, 31.707, 305.816` is the 20% darker color. If you saturate the color by 10%, you get `76, 46.186, 306.177`, and if you desaturate by 10%, it is `90, 17.352, 304.845`.

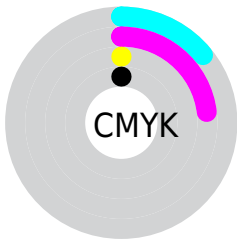
Distribution



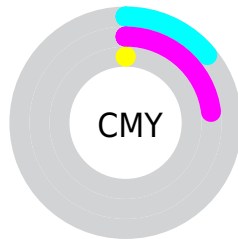
- Red (85%)
- Green (77%)
- Blue (100%)



- Red (85%)
- Yellow (77%)
- Blue (100%)



- Cyan (14%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 31.639, 305.447 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, 31.639, 305.447 by changing the saturation by 10% instead.


 83, 31.639,
305.447


 83, 31.639,
305.447


 100, 31.639,
305.447


 73, 31.639,
305.447

 63, 31.639,
305.447

 53, 31.639,
305.447

 43, 31.639,
305.447

 33, 31.639,
305.447

 23, 31.639,
305.447

 13, 31.639,

305.447

■ 3, 31.639, 305.447

■ 0, 31.639, 305.447

■ 83, 31.639,
305.447

■ 83, 31.639,
305.447

■ 76, 46.186,
306.177

■ 90, 17.352,
304.845

■ 68, 61.156,
306.931

■ 98, 3.617, 304.265

■ 61, 76.255,
307.709

100, 0.012,
296.813

■ 54, 91.077,
308.457

■ 48, 104.903,

309.079

■ 43, 116.628,
309.437

■ 39, 124.931,
309.365

■ 37, 128.681,
309.043

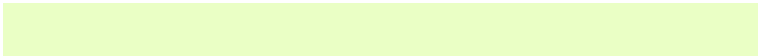
Harmonies

Complementary

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



83, 31.639, 305.447



97, 30.290, 122.943

Rectangle

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



83, 31.639, 305.447



83, 31.639, 355.447



83, 31.639, 125.447



83, 31.639, 175.447

Sweetspot

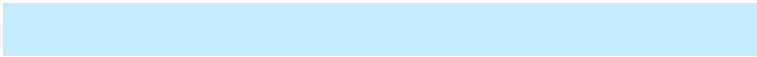
The Sweet Spot groups the original color and five complimentary colors.



83, 31.553, 305.478



95, 9.489, 304.514



91, 15.899, 240.339



50, 6.171, 304.548



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, 31.553, 305.478



80, 37.821, 305.772



85, 34.815, 321.337



49, 7.738, 304.657



27, 103.426, 309.217



5, 44.855, 309.245

Inverse Universe

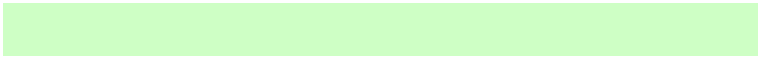
The Inverse Universe completely reimagines the original color for something new.



86, 28.240, 338.692



83, 33.648, 339.065



95, 34.545, 139.061



50, 7.018, 337.617



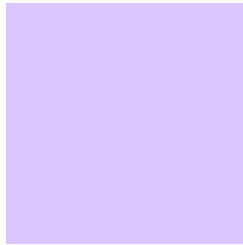
42, 71.628, 349.866



11, 33.778, 346.402

Previews

White Background



This preview shows how the CIELCh color 83, 31.639, 305.447 looks on a white background.

Color Contrast Check

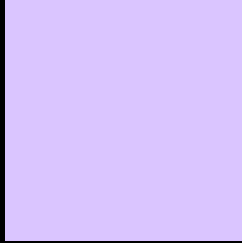
Large Text (above 18pt) WCAG AA × Fail

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, 31.639, 305.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

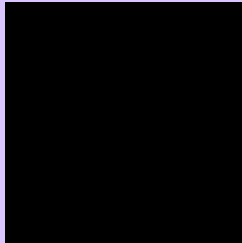
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 31.639, 305.447

Background



This preview shows how black text looks on a background with the CIELCh color 83, 31.639, 305.447.

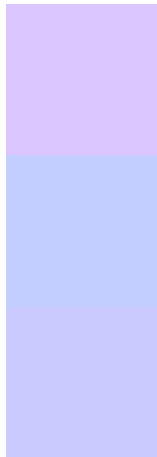


This preview shows how white text looks on a background with the CIELCh color 83, 31.639, 305.447.

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, 31.639, 305.447

Protanopia

83, 26.548, 285.451

Deuteranopia

83, 27.549, 293.202



Tritanopia
83, 8.971, 309.377

Trichromacy



Original Color
83, 31.639, 305.447

Protanomaly
83, 28.077, 293.231

Deuteranomaly
83, 28.832, 298.493

Tritanomaly
83, 16.998, 305.732

Monochromacy



Original Color
83, 31.639, 305.447

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 11.495, 305.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 31.639, 305.447 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(218, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 31.639, 305.447 is called "border". The border property can be set on classes, ids or directly on the HTML element.

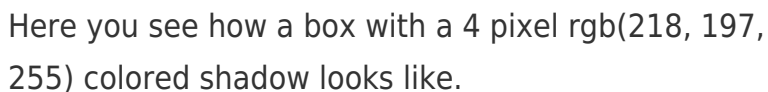
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 197, 255) }
```

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

```
.border{ border-color:rgb(218, 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(218, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 197, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 197, 255); box-shadow:4px 4px 4px 4px rgb(218, 197, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 31.639, 305.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 197, 255) }
```

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

```
.background{ background-color: rgb(218,  
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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