

Converting Colors

CIELCh(88, 89.595, 300.641)

Have a look what the booklet for
CIELCh(88, 89.595, 300.641)
contains.

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Color

CIELCh(83, 31.789, 306.635)

Conversions

Conversions Part 1

Format	Color
Hex	DCC5FF
RGB	220, 197, 255
RGB Percent	86%, 77%, 100%
CMY	0.1385, 0.2286, 0.0012
CMYK	0.14, 0.23, 0.00, 0.00
HSL	264°, 99%, 89%
HSV	264°, 23%, 100%
XYZ	67.3188, 62.1629, 102.7920
YIQ	210.4890, -4.9100, 22.9140

Conversions

Conversions Part 2

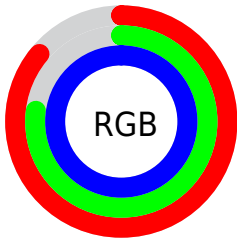
Format	Color
RYB	220, 197, 255
Decimal	14468607
CIELab	83.00, 18.97, -25.51
CIELCh	83, 31.789, 306.635
Yxy	62.1629, 0.2898, 0.2676
Android (android.graphics.Color)	4292658687 (0xFFDCC5FF)
YUV	210.4890, 21.9439, 8.3411
Hunter-Lab	78.8435, 14.4322, -22.1088

Details

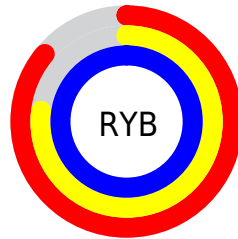
The CIELCh color `83, 31.789, 306.635` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 30.576, 124.213`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.630, 323.973`, and `63, 31.779, 306.432` is the 20% darker color. If you saturate the color by 10%, you get `76, 46.435, 307.287`, and if you desaturate by 10%, it is `90, 17.543, 306.037`.

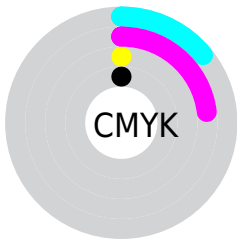
Distribution



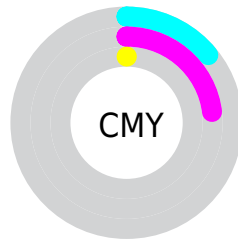
- Red (86%)
- Green (77%)
- Blue (100%)



- Red (86%)
- 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, 31.789, 306.635 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, 31.789, 306.635 by changing the saturation by 10% instead.


 83, 31.789,
306.635


 83, 31.789,
306.635


 100, 31.789,
306.635


 73, 31.789,
306.635

 63, 31.789,
306.635

 53, 31.789,
306.635

 43, 31.789,
306.635

 33, 31.789,
306.635

 23, 31.789,
306.635

 13, 31.789,

306.635

■ 3, 31.789, 306.635

■ 0, 31.789, 306.635

■ 83, 31.789,
306.635

■ 83, 31.789,
306.635

■ 76, 46.435,
307.287

■ 90, 17.543,
306.037

■ 68, 61.380,
307.983

■ 98, 3.747, 305.484

■ 61, 76.394,
308.690

100, 0.148,
109.645

■ 55, 91.055,
309.352

■ 49, 104.638,

309.878

■ 44, 116.070,
310.135

■ 40, 124.111,
309.971

■ 38, 127.713,
309.597

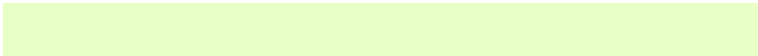
Harmonies

Complementary

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



83, 31.789, 306.635



97, 30.576, 124.213

Rectangle

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



83, 31.789, 306.635



83, 31.789, 356.635



83, 31.789, 126.635



83, 31.789, 176.635

Sweetspot

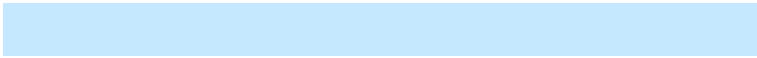
The Sweet Spot groups the original color and five complimentary colors.



83, 31.787, 306.634



95, 9.542, 305.718



90, 16.150, 244.724



50, 6.205, 305.750



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, 31.787, 306.634



80, 37.982, 306.905



85, 35.218, 322.333



49, 7.780, 305.855



28, 102.747, 309.779



5, 44.893, 310.100

Inverse Universe

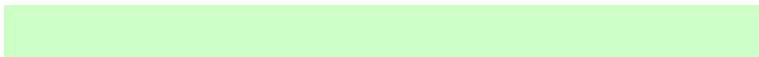
The Inverse Universe completely reimagines the original color for something new.



85, 27.681, 340.284



83, 32.905, 340.670



95, 35.008, 139.959



50, 6.854, 339.154



42, 70.469, 352.676



11, 33.207, 348.708

Previews

White Background



This preview shows how the CIELCh color 83, 31.789, 306.635 looks on a white background.

Color Contrast Check

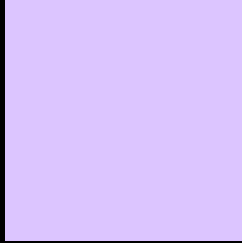
Large Text (above 18pt) WCAG AA × Fail

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, 31.789, 306.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

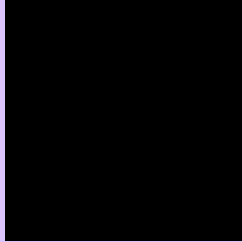
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 31.789, 306.635

Background



This preview shows how black text looks on a background with the CIELCh color 83, 31.789, 306.635.

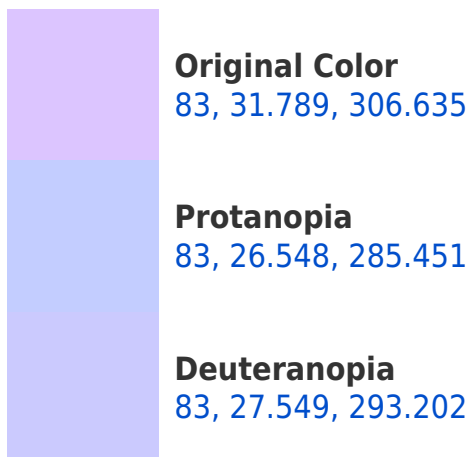


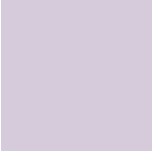
This preview shows how white text looks on a background with the CIELCh color 83, 31.789, 306.635.

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





Tritanopia
83, 9.382, 315.620

Trichromacy



Original Color
83, 31.789, 306.635

Protanomaly
83, 28.087, 293.894

Deuteranomaly
83, 28.832, 298.493

Tritanomaly
83, 17.303, 309.118

Monochromacy



Original Color
83, 31.789, 306.635

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 11.589, 306.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 31.789, 306.635 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(220, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 31.789, 306.635 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(220, 197, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 197,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 31.789, 306.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 197, 255) }
```

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

```
.background{ background-color: rgb(220,  
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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