

Converting Colors

CIELCh(83, 16.987, 284.007)

Have a look what the booklet for
CIELCh(83, 16.987, 284.007)
contains.

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Color

CIELCh(83, 16.508, 283.354)

Conversions

Conversions Part 1

Format	Color
Hex	C7CEED
RGB	199, 206, 237
RGB Percent	78%, 81%, 93%
CMY	0.2210, 0.1935, 0.0720
CMYK	0.16, 0.13, 0.00, 0.07
HSL	229°, 51%, 85%
HSV	229°, 16%, 93%
XYZ	60.6820, 62.1629, 88.6464
YIQ	207.4410, -14.1230, 8.1570

Conversions

Conversions Part 2

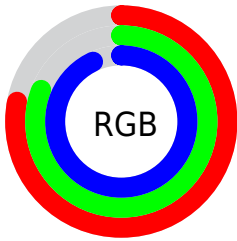
Format	Color
RYB	199, 205, 237
Decimal	13094637
CIELab	83.00, 3.81, -16.06
CIELCh	83, 16.508, 283.354
Yxy	62.1629, 0.2869, 0.2939
Android (android.graphics.Color)	4291284717 (0xFFC7CEED)
YUV	207.4410, 14.5726, -7.4028
Hunter-Lab	78.8435, -0.5934, -11.4713

Details

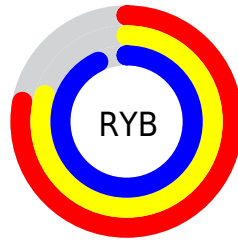
The CIELCh color `83, 16.508, 283.354` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 16.184, 99.495`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 16.343, 283.284` is the 20% darker color. If you saturate the color by 10%, you get `76, 27.208, 284.882`, and if you desaturate by 10%, it is `90, 6.137, 282.056`.

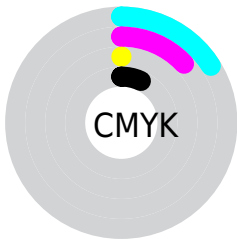
Distribution



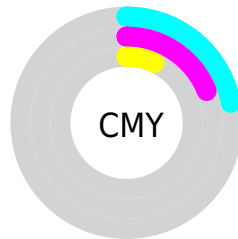
- Red (78%)
- Green (81%)
- Blue (93%)



- Red (78%)
- Yellow (80%)
- Blue (93%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 16.508, 283.354 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, 16.508, 283.354 by changing the saturation by 10% instead.

■ 83, 16.508,
283.354

■ 83, 16.508,
283.354

■ 100, 16.508,
283.354

■ 73, 16.508,
283.354

■ 63, 16.508,
283.354

■ 53, 16.508,
283.354

■ 43, 16.508,
283.354

■ 33, 16.508,
283.354

■ 23, 16.508,
283.354

■ 13, 16.508,

283.354

■ 3, 16.508, 283.354

■ 0, 16.508, 283.354

■ 83, 16.508,
283.354

■ 83, 16.508,
283.354

■ 76, 27.208,
284.882

■ 90, 6.137, 282.056

■ 70, 38.272,
286.678

■ 96, 3.925, 100.861

■ 63, 49.734,
288.772

■ 100, 9.293,
109.473

■ 57, 61.619,
291.182

■ 50, 73.908,

293.887

■ 45, 86.448,
296.800

■ 39, 98.785,
299.735

■ 35, 110.000,
302.419

■ 34, 113.867,
303.308

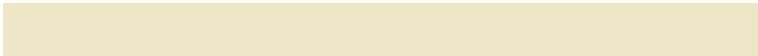
Harmonies

Complementary

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



83, 16.508, 283.354



91, 16.184, 99.495

Rectangle

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



83, 16.508, 283.354



83, 16.508, 333.354



83, 16.508, 103.354



83, 16.508, 153.354

Sweetspot

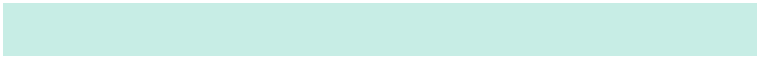
The Sweet Spot groups the original color and five complimentary colors.



83, 16.506, 283.350



96, 5.379, 281.937



91, 13.760, 181.834



51, 3.673, 282.018



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, 16.506, 283.350



87, 20.852, 283.788



82, 20.612, 302.804



46, 5.745, 282.470



25, 91.890, 302.897



4, 31.200, 293.989

Inverse Universe

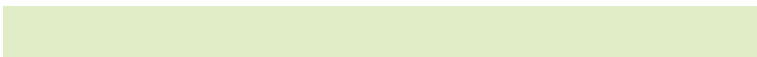
The Inverse Universe completely reimagines the original color for something new.



83, 14.608, 5.997



87, 18.516, 6.353



92, 19.983, 120.876



46, 5.042, 5.268



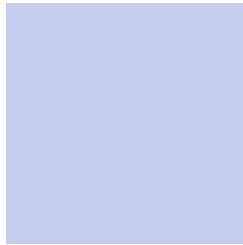
38, 72.550, 30.521



7, 27.937, 15.111

Previews

White Background



This preview shows how the CIELCh color 83, 16.508, 283.354 looks on a white background.

Color Contrast Check

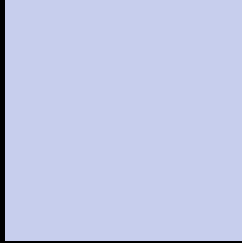
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 16.508, 283.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

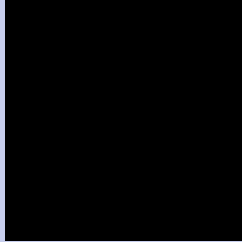
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 16.508, 283.354

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.508, 283.354.

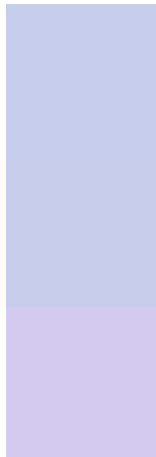


This preview shows how white text looks on a background with the CIELCh color 83, 16.508, 283.354.

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, 16.508, 283.354

Protanopia

83, 16.430, 286.854

Deuteranopia

83, 20.029, 302.672



Tritanopia
83, 9.337, 264.492

Trichromacy



Original Color
83, 16.508, 283.354

Protanomaly
83, 16.455, 285.684

Deuteranomaly
83, 18.611, 295.960

Tritanomaly
83, 12.051, 274.653

Monochromacy



Original Color
83, 16.508, 283.354

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 5.895, 280.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.508, 283.354 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(199, 206, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 206, 237)  
}
```

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(199, 206, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 206, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.508, 283.354 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(199, 206, 237) }
```

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

```
.border{ border-color:rgb(199, 206, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 206, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 206, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 206, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 206,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.508, 283.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 206, 237) }
```

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

```
.background{ background-color: rgb(199,  
206, 237) }
```

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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