

Converting Colors

CIELCh(83, 10.129, 283.155)

Have a look what the booklet for
CIELCh(83, 10.129, 283.155)
contains.

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Color

CIELCh(83, 10.120, 283.150)

Conversions

Conversions Part 1

Format	Color
Hex	CACEE1
RGB	202, 206, 225
RGB Percent	79%, 81%, 88%
CMY	0.2077, 0.1920, 0.1175
CMYK	0.10, 0.08, 0.00, 0.12
HSL	230°, 28%, 84%
HSV	230°, 10%, 88%
XYZ	60.0455, 62.1629, 80.0979
YIQ	206.9700, -8.4830, 5.0610

Conversions

Conversions Part 2

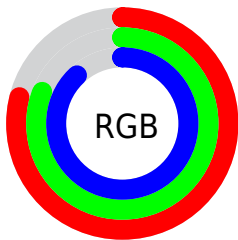
Format	Color
R_{YB}	202, 205, 225
Decimal	13291233
CIE _{Lab}	83.00, 2.30, -9.85
CIE _{LCh}	83, 10.120, 283.150
Yxy	62.1629, 0.2968, 0.3073
Android (android.graphics.Color)	4291481313 (0xFFCACEE1)
YUV	206.9700, 8.8888, -4.3587
Hunter-Lab	78.8435, -2.0343, -5.0429

Details

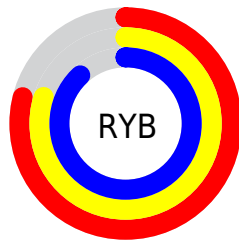
The CIELCh color **83, 10.120, 283.150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 9.977, 100.767**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 10.146, 283.027** is the 20% darker color. If you saturate the color by 10%, you get **77, 20.326, 284.520**, and if you desaturate by 10%, it is **89, 0.225, 282.637**.

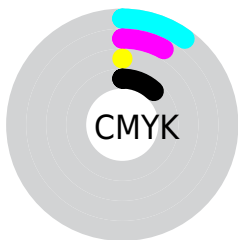
Distribution



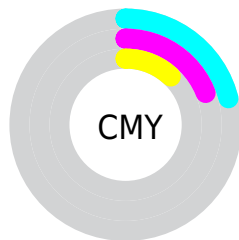
- Red (79%)
- Green (81%)
- Blue (88%)



- Red (79%)
- Yellow (80%)
- Blue (88%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)



- Cyan (21%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 10.120, 283.150 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, 10.120, 283.150 by changing the saturation by 10% instead.

■ 83, 10.120,
283.150

■ 83, 10.120,
283.150

■ 100, 10.120,
283.150

■ 73, 10.120,
283.150

■ 63, 10.120,
283.150

■ 53, 10.120,
283.150

■ 43, 10.120,
283.150

■ 33, 10.120,
283.150

■ 23, 10.120,
283.150

■ 13, 10.120,

283.150

■ 3, 10.120, 283.150

■ 0, 10.120, 283.150

■ 83, 10.120,
283.150

■ 83, 10.120,
283.150

■ 77, 20.326,
284.520

■ 89, 0.225, 282.637

■ 70, 30.876,
286.140

■ 96, 9.375, 100.908

■ 64, 41.800,
288.035

■ 99, 15.156,
109.032

■ 57, 53.129,
290.233

■ 51, 64.874,

292.738

■ 45, 76.965,
295.505

■ 40, 89.134,
298.403

■ 35, 100.727,
301.206

■ 32, 110.464,
303.530

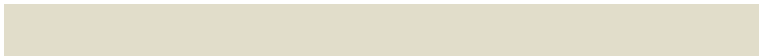
Harmonies

Complementary

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



83, 10.120, 283.150



88, 9.977, 100.767

Rectangle

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



83, 10.120, 283.150



83, 10.120, 333.150



83, 10.120, 103.150



83, 10.120, 153.150

Sweetspot

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



83, 10.118, 283.143



98, 3.259, 282.309



88, 8.420, 183.697



52, 2.472, 282.391



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, 10.118, 283.143



91, 13.183, 283.382



83, 12.498, 303.017



44, 5.602, 283.045



24, 90.737, 303.152



4, 27.851, 291.938

Inverse Universe

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



83, 8.760, 6.137



92, 11.442, 6.337



88, 12.253, 121.863



44, 4.845, 6.054



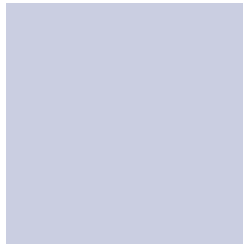
37, 71.433, 31.131



6, 25.285, 13.577

Previews

White Background



This preview shows how the CIELCh color 83, 10.120, 283.150 looks on a white background.

Color Contrast Check

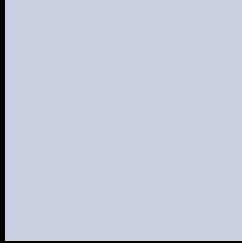
Large Text (above 18pt) WCAG AA × Fail

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, 10.120, 283.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

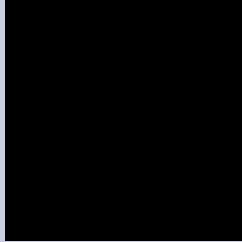
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

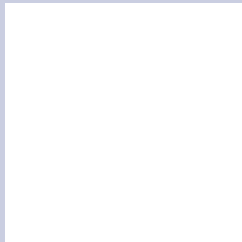
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 10.120, 283.150

Background



This preview shows how black text looks on a background with the CIELCh color 83, 10.120, 283.150.

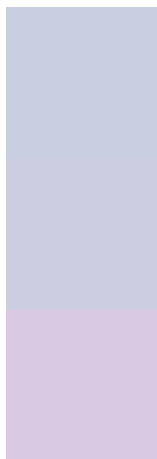


This preview shows how white text looks on a background with the CIELCh color 83, 10.120, 283.150.

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, 10.120, 283.150

Protanopia

83, 10.585, 291.098

Deuteranopia

83, 14.604, 315.547



Tritanopia
83, 9.075, 282.107

Trichromacy



Original Color
83, 10.120, 283.150

Protanomaly
83, 10.586, 289.212

Deuteranomaly
83, 12.628, 305.703

Tritanomaly
83, 9.597, 282.654

Monochromacy



Original Color
83, 10.120, 283.150

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 3.762, 279.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 10.120, 283.150 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(202, 206, 225)` looks like.

```
.text, #text, p{  
    color:rgb(202, 206, 225)  
}
```

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(202, 206, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 206, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 10.120, 283.150 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(202, 206, 225) }
```

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

```
.border{ border-color:rgb(202, 206, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 206, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 206, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 206, 225);  
box-shadow:4px 4px 4px 4px rgb(202, 206,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 10.120, 283.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 206, 225) }
```

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

```
.background{ background-color: rgb(202,  
206, 225) }
```

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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