

Converting Colors

CIE LCh(83, 8.198, 284.418)

Have a look what the booklet for
CIELCh(83, 8.198, 284.418) contains.

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Color

CIELCh(83, 7.987, 283.293)

Conversions

Conversions Part 1

Format	Color
Hex	CBCEDD
RGB	203, 206, 221
RGB Percent	80%, 81%, 87%
CMY	0.2033, 0.1915, 0.1327
CMYK	0.08, 0.07, 0.00, 0.13
HSL	230°, 21%, 83%
HSV	230°, 8%, 87%
XYZ	59.8501, 62.1629, 77.3592
YIQ	206.8130, -6.6030, 4.0290

Conversions

Conversions Part 2

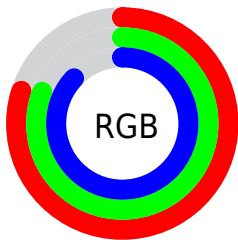
Format	Color
R_{YB}	203, 206, 221
Decimal	13356765
CIE _{Lab}	83.00, 1.84, -7.77
CIE _{LCh}	83, 7.987, 283.293
Yxy	62.1629, 0.3002, 0.3118
Android (android.graphics.Color)	4291546845 (0xFFCBCEDD)
YUV	206.8130, 6.9942, -3.3440
Hunter-Lab	78.8435, -2.4767, -2.9834

Details

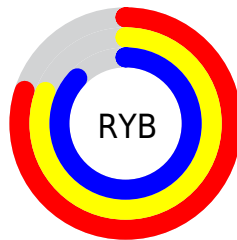
The CIELCh color **83, 7.987, 283.293** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 7.887, 101.410**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 7.891, 282.983** is the 20% darker color. If you saturate the color by 10%, you get **77, 18.068, 284.605**, and if you desaturate by 10%, it is **89, 1.784, 102.041**.

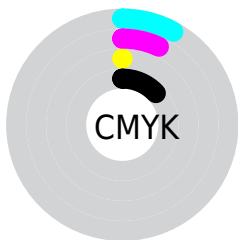
Distribution



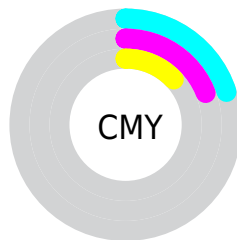
- Red (80%)
- Green (81%)
- Blue (87%)



- Red (80%)
- Yellow (81%)
- Blue (87%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 7.987, 283.293 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, 7.987, 283.293 by changing the saturation by 10% instead.

■ 83, 7.987, 283.293

■ 83, 7.987, 283.293

■ 100, 7.987,
283.293

■ 73, 7.987, 283.293

■ 63, 7.987, 283.293

■ 53, 7.987, 283.293

■ 43, 7.987, 283.293

■ 33, 7.987, 283.293

■ 23, 7.987, 283.293

■ 13, 7.987, 283.293

■ 3, 7.987, 283.293

■ 0, 7.987, 283.293

83, 7.987, 283.293

83, 7.987, 283.293

77, 18.068,
284.605

89, 1.784, 102.041

70, 28.489,
286.161

96, 11.262,
101.131

64, 39.281,
287.984

99, 17.116,
108.883

58, 50.475,
290.104

51, 62.087,
292.529

45, 74.065,
295.225

40, 86.180,
298.081

35, 97.851,
300.885

■ 31, 108.022,
303.330

Harmonies

Complementary

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



83, 7.987, 283.293



87, 7.887, 101.410

Rectangle

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



83, 7.987, 283.293



83, 7.987, 333.293



83, 7.987, 103.293



83, 7.987, 153.293

Sweetspot

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



83, 7.985, 283.284



99, 2.190, 282.622



87, 6.631, 183.900



53, 1.245, 282.615



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, 7.985, 283.284



93, 11.042, 283.522



83, 9.779, 302.887



43, 5.541, 283.441



23, 90.309, 303.332



3, 26.207, 291.027

Inverse Universe

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



83, 6.824, 6.470



93, 9.461, 6.676



87, 9.621, 121.982



43, 4.744, 6.607



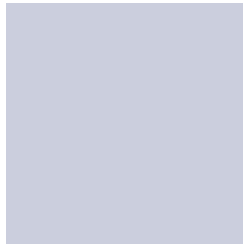
36, 70.961, 31.569



5, 23.725, 13.057

Previews

White Background



This preview shows how the CIELCh color 83, 7.987, 283.293 looks on a white background.

Color Contrast Check

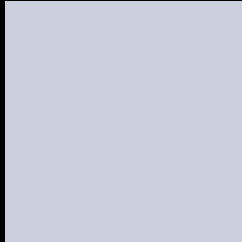
Large Text (above 18pt) WCAG AA × Fail

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, 7.987, 283.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

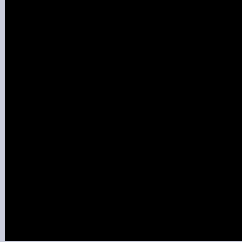
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

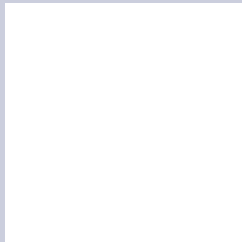
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 7.987, 283.293

Background



This preview shows how black text looks on a background with the CIELCh color 83, 7.987, 283.293.

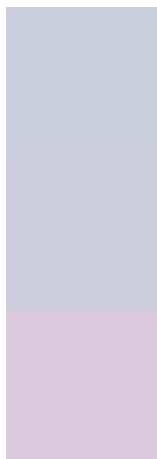


This preview shows how white text looks on a background with the CIELCh color 83, 7.987, 283.293.

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, 7.987, 283.293

Protanopia

83, 8.483, 293.298

Deuteranopia

83, 12.897, 320.912



Tritanopia
83, 8.511, 283.822

Trichromacy



Original Color
83, 7.987, 283.293

Protanomaly
83, 8.470, 290.919

Deuteranomaly
83, 10.713, 310.343

Tritanomaly
83, 8.511, 283.822

Monochromacy



Original Color
83, 7.987, 283.293

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.668, 282.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 7.987, 283.293 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(203, 206, 221)` looks like.

```
.text, #text, p{  
    color:rgb(203, 206, 221)  
}
```

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(203, 206, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 206, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 7.987, 283.293 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(203, 206, 221) }
```

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

```
.border{ border-color:rgb(203, 206, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 206, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 206, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 206, 221);  
box-shadow:4px 4px 4px 4px rgb(203, 206,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 7.987, 283.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 206, 221) }
```

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

```
.background{ background-color: rgb(203,  
206, 221) }
```

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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