

Converting Colors

CIELCh(83, 14.472, 198.566)

Have a look what the booklet for
CIELCh(83, 14.472, 198.566)
contains.

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Color

CIELCh(83, 14.700, 198.396)

Conversions

Conversions Part 1

Format	Color
Hex	ACD7D7
RGB	172, 215, 215
RGB Percent	67%, 84%, 84%
CMY	0.3261, 0.1575, 0.1575
CMYK	0.20, 0.00, 0.00, 0.16
HSL	180°, 35%, 76%
HSV	180°, 20%, 84%
XYZ	53.4773, 62.1629, 73.3549
YIQ	202.1430, -25.6280, -9.1160

Conversions

Conversions Part 2

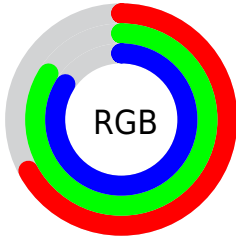
Format	Color
RYB	172, 194, 215
Decimal	11327447
CIELab	83.00, -13.95, -4.64
CIELCh	83, 14.700, 198.396
Yxy	62.1629, 0.2830, 0.3289
Android (android.graphics.Color)	4289517527 (0xFFACD7D7)
YUV	202.1430, 6.3385, -26.4354
Hunter-Lab	78.8435, -16.9046, 0.0278

Details

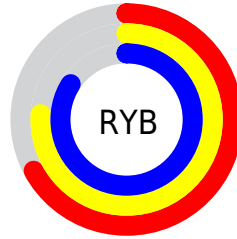
The CIELCh color **83, 14.700, 198.396** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 16.768, 20.830**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **63, 14.554, 198.148** is the 20% darker color. If you saturate the color by 10%, you get **82, 21.275, 197.919**, and if you desaturate by 10%, it is **84, 7.572, 198.933**.

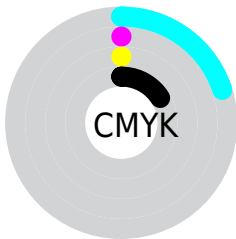
Distribution



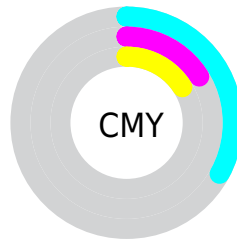
- Red (67%)
- Green (84%)
- Blue (84%)



- Red (67%)
- Yellow (76%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (33%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 14.700, 198.396 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, 14.700, 198.396 by changing the saturation by 10% instead.


 83, 14.700,
198.396


 83, 14.700,
198.396


 100, 14.700,
198.396


 73, 14.700,
198.396

 63, 14.700,
198.396

 53, 14.700,
198.396

 43, 14.700,
198.396

 33, 14.700,
198.396

 23, 14.700,
198.396

 13, 14.700,

198.396

■ 3, 14.700, 198.396

■ 0, 14.700, 198.396

■ 83, 14.700,
198.396

■ 83, 14.700,
198.396

■ 82, 21.275,
197.919

■ 84, 7.572, 198.933

■ 81, 27.168,
197.509

■ 86, 0.014, 245.851

■ 88, 7.873, 19.902

■ 80, 32.265,
197.161

■ 89, 14.923, 20.457

■ 79, 36.468,
196.878

■ 89, 14.923, 20.455

■ 89, 14.923, 20.452

■ 79, 39.718,

196.662

89, 14.923, 20.450

78, 42.005,
196.511

89, 14.923, 20.447

78, 43.378,
196.421

89, 14.923, 20.445

78, 44.036,
196.378

Harmonies

Complementary

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



83, 14.700, 198.396



74, 16.768, 20.830

Rectangle

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



83, 14.700, 198.396



83, 14.700, 248.396



83, 14.700, 18.396



83, 14.700, 68.396

Sweetspot

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



83, 14.701, 198.390



99, 5.264, 199.193



82, 27.679, 142.749



53, 3.486, 199.145



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, 14.701, 198.390



96, 19.973, 198.184



77, 13.283, 256.442



44, 4.287, 198.969



63, 37.124, 196.378



15, 14.559, 196.379

Inverse Universe

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



74, 16.768, 20.830



84, 23.487, 21.252



79, 14.081, 71.153



42, 4.550, 19.925



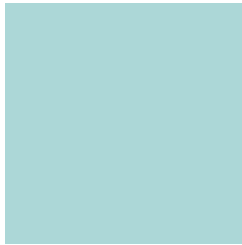
35, 77.346, 39.896



5, 22.000, 19.764

Previews

White Background



This preview shows how the CIE LCh color 83, 14.700, 198.396 looks on a white background.

Color Contrast Check

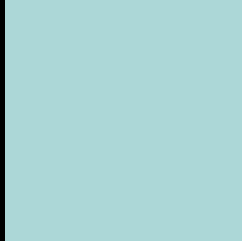
Large Text (above 18pt) WCAG AA × Fail

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, 14.700, 198.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

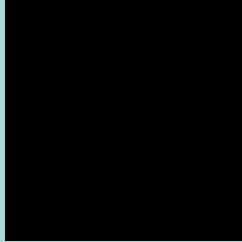
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

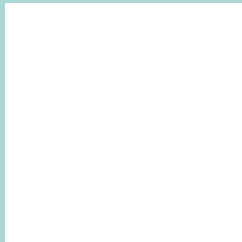
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 14.700, 198.396

Background



This preview shows how black text looks on a background with the CIELCh color 83, 14.700, 198.396.

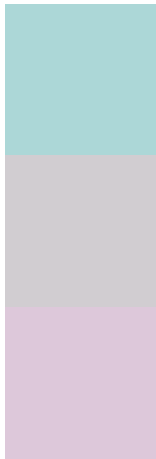


This preview shows how white text looks on a background with the CIELCh color 83, 14.700, 198.396.

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](#).

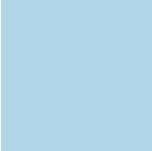
Dichromacy



Original Color
83, 14.700, 198.396

Protanopia
83, 2.586, 324.444

Deuteranopia
83, 12.213, 329.151



Tritanopia
83, 15.245, 235.002

Trichromacy



Original Color
83, 14.700, 198.396

Protanomaly
83, 5.065, 211.234

Deuteranomaly
83, 6.383, 284.373

Tritanomaly
83, 14.291, 220.379

Monochromacy



Original Color
83, 14.700, 198.396

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 5.703, 199.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 14.700, 198.396 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(172, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(172, 215, 215)  
}
```

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(172, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 215, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 14.700, 198.396 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(172, 215, 215) }
```

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

```
.border{ border-color:rgb(172, 215, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 215, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 215, 215);  
box-shadow:4px 4px 4px 4px rgb(172, 215,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 14.700, 198.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 215, 215) }
```

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

```
.background{ background-color: rgb(172,  
215, 215) }
```

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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