

Converting Colors

CIELCh(83, 13.498, 198.568)

Have a look what the booklet for
CIELCh(83, 13.498, 198.568)
contains.

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Color

CIELCh(83, 13.420, 198.486)

Conversions

Conversions Part 1

Format	Color
Hex	AFD6D6
RGB	175, 214, 214
RGB Percent	69%, 84%, 84%
CMY	0.3131, 0.1602, 0.1602
CMYK	0.18, 0.00, 0.00, 0.16
HSL	180°, 32%, 76%
HSV	180°, 18%, 84%
XYZ	53.9534, 62.1629, 72.8741
YIQ	202.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

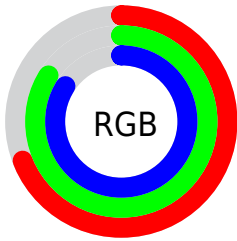
Format	Color
R_{YB}	175, 195, 214
Decimal	11523798
CIE Lab	83.00, -12.73, -4.26
CIE LCh	83, 13.420, 198.486
Yxy	62.1629, 0.2855, 0.3289
Android (android.graphics.Color)	4289713878 (0xFFAFD6D6)
YUV	202.3390, 5.7489, -23.9763
Hunter-Lab	78.8435, -15.8268, 0.3894

Details

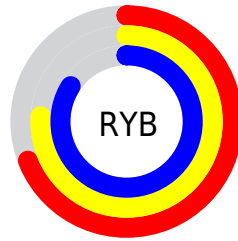
The CIELCh color **83, 13.420, 198.486** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 15.114, 20.660**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.189, 198.968**, and **63, 13.256, 198.259** is the 20% darker color. If you saturate the color by 10%, you get **82, 20.087, 197.997**, and if you desaturate by 10%, it is **84, 6.223, 199.042**.

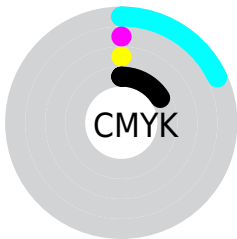
Distribution



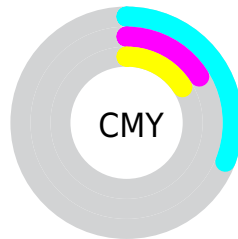
- Red (69%)
- Green (84%)
- Blue (84%)



- Red (69%)
- Yellow (76%)
- Blue (84%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 13.420, 198.486 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, 13.420, 198.486 by changing the saturation by 10% instead.

 83, 13.420,
198.486

 83, 13.420,
198.486


 100, 13.420,
198.486

 73, 13.420,
198.486


 63, 13.420,
198.486

 53, 13.420,
198.486

 43, 13.420,
198.486

 33, 13.420,
198.486

 23, 13.420,
198.486

 13, 13.420,

198.486

■ 3, 13.420, 198.486

■ 0, 13.420, 198.486

■ 83, 13.420,
198.486

■ 83, 13.420,
198.486

■ 82, 20.087,
197.997

■ 84, 6.223, 199.042

■ 81, 26.097,
197.576

■ 86, 1.385, 19.080

■ 88, 9.293, 20.017

■ 80, 31.332,
197.216

■ 89, 15.191, 20.478

■ 79, 35.692,
196.922

■ 89, 15.191, 20.474

■ 89, 15.191, 20.471

■ 79, 39.109,

196.693

89, 15.191, 20.467

78, 41.562,
196.531

89, 15.191, 20.464

78, 43.091,
196.430

89, 15.191, 20.461

78, 43.833,
196.380

78, 43.932,
196.374

Harmonies

Complementary

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



83, 13.420, 198.486



75, 15.114, 20.660

Rectangle

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



83, 13.420, 198.486



83, 13.420, 248.486



83, 13.420, 18.486



83, 13.420, 68.486

Sweetspot

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



83, 13.421, 198.479



99, 4.397, 199.270



82, 25.114, 142.881



53, 2.995, 199.213



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, 13.421, 198.479



96, 18.436, 198.279



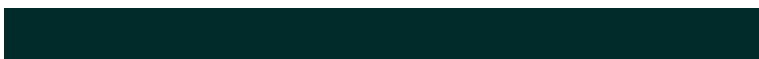
78, 12.074, 256.149



44, 4.287, 198.967



63, 37.125, 196.374



15, 14.559, 196.376

Inverse Universe

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



75, 15.114, 20.660



85, 21.363, 21.043



80, 12.724, 71.370



42, 4.550, 19.923



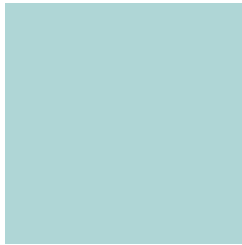
35, 77.345, 39.895



5, 22.000, 19.763

Previews

White Background



This preview shows how the CIELCh color 83, 13.420, 198.486 looks on a white background.

Color Contrast Check

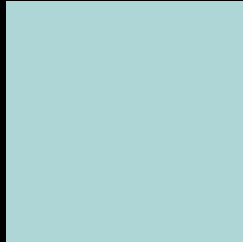
Large Text (above 18pt) WCAG AA × Fail

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, 13.420, 198.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

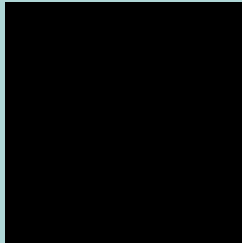
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 13.420, 198.486

Background



This preview shows how black text looks on a background with the CIELCh color 83, 13.420, 198.486.



This preview shows how white text looks on a background with the CIELCh color 83, 13.420, 198.486.

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](#).

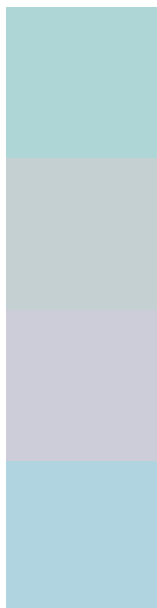
Dichromacy





Tritanopia
83, 14.262, 238.048

Trichromacy



Original Color
83, 13.420, 198.486

Protanomaly
83, 4.200, 221.500

Deuteranomaly
83, 5.832, 287.204

Tritanomaly
83, 13.311, 224.692

Monochromacy



Original Color
83, 13.420, 198.486

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 5.006, 199.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 13.420, 198.486 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(175, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(175, 214, 214)  
}
```

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(175, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 214, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 13.420, 198.486 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(175, 214, 214) }
```

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

```
.border{ border-color:rgb(175, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(175, 214,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 13.420, 198.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 214, 214) }
```

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

```
.background{ background-color: rgb(175,  
214, 214) }
```

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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