

Converting Colors

CIELCh(83, 14.410, 198.175)

Have a look what the booklet for
CIELCh(83, 14.410, 198.175)
contains.

CIELCh(83, 14.380, 198.419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(83, 14.380, 198.419)

Conversions

Conversions Part 1

Format	Color
Hex	ADD7D7
RGB	173, 215, 215
RGB Percent	68%, 84%, 84%
CMY	0.3229, 0.1582, 0.1582
CMYK	0.20, 0.00, 0.00, 0.16
HSL	180°, 34%, 76%
HSV	180°, 20%, 84%
XYZ	53.5961, 62.1629, 73.2351
YIQ	202.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

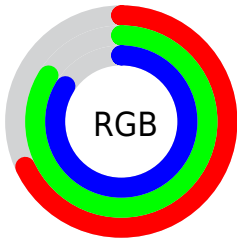
Format	Color
RYB	173, 194, 215
Decimal	11392983
CIELab	83.00, -13.64, -4.54
CIELCh	83, 14.380, 198.419
Yxy	62.1629, 0.2836, 0.3289
Android (android.graphics.Color)	4289583063 (0xFFADD7D7)
YUV	202.4420, 6.1911, -25.8206
Hunter-Lab	78.8435, -16.6356, 0.1179

Details

The CIELCh color **83, 14.380, 198.419** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 16.350, 20.787**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **63, 14.230, 198.177** is the 20% darker color. If you saturate the color by 10%, you get **82, 20.978, 197.939**, and if you desaturate by 10%, it is **84, 7.234, 198.960**.

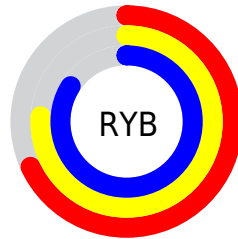
Distribution



Red (68%)

Green (84%)

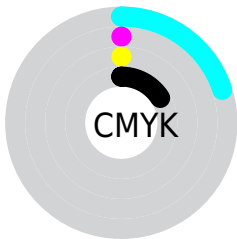
Blue (84%)



Red (68%)

Yellow (76%)

Blue (84%)

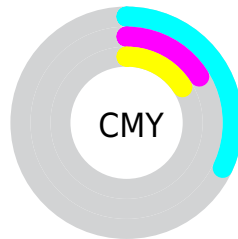


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (16%)



Cyan (32%)


Magenta (16%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 14.380, 198.419 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, 14.380, 198.419 by changing the saturation by 10% instead.


 83, 14.380,
198.419


 83, 14.380,
198.419


 100, 14.380,
198.419


 73, 14.380,
198.419

 63, 14.380,
198.419

 53, 14.380,
198.419

 43, 14.380,
198.419

 33, 14.380,
198.419

 23, 14.380,
198.419

 13, 14.380,

198.419

■ 3, 14.380, 198.419

■ 0, 14.380, 198.419

■ 83, 14.380,
198.419

■ 83, 14.380,
198.419

■ 82, 20.978,
197.939

■ 84, 7.234, 198.960

■ 81, 26.902,
197.526

■ 86, 0.340, 17.714

■ 88, 8.229, 19.932

■ 80, 32.033,
197.175

■ 89, 14.990, 20.463

■ 79, 36.276,
196.890


■ 89, 14.990, 20.460

■ 89, 14.990, 20.458

■ 79, 39.568,

196.671


 89, 14.990, 20.456

 78, 41.896,
196.517

 89, 14.990, 20.453

 78, 43.309,
196.424

 89, 14.990, 20.451

 78, 43.985,
196.379

 78, 44.010,
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, 14.380, 198.419



74, 16.350, 20.787

Rectangle

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



83, 14.380, 198.419



83, 14.380, 248.419



83, 14.380, 18.419



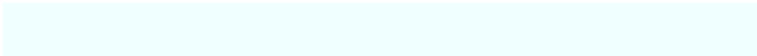
83, 14.380, 68.419

Sweetspot

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



83, 14.381, 198.413



99, 5.264, 199.193



82, 27.035, 142.782



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, 14.381, 198.413



96, 19.208, 198.232



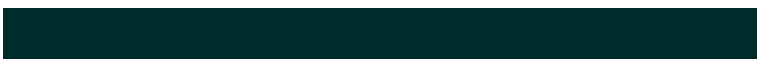
78, 12.979, 256.368



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, 16.350, 20.787



84, 22.421, 21.147



79, 13.739, 71.207



42, 4.550, 19.925



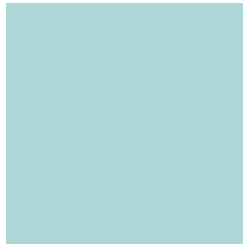
35, 77.347, 39.896



5, 22.000, 19.765

Previews

White Background



This preview shows how the CIE LCh color 83, 14.380, 198.419 looks on a white background.

Color Contrast Check

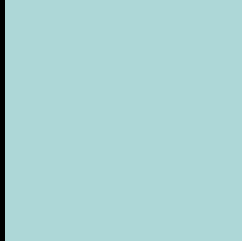
Large Text (above 18pt) WCAG AA × Fail

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, 14.380, 198.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

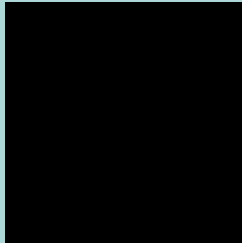
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

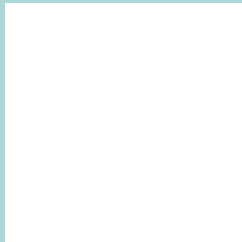
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 14.380, 198.419

Background



This preview shows how black text looks on a background with the CIELCh color 83, 14.380, 198.419.

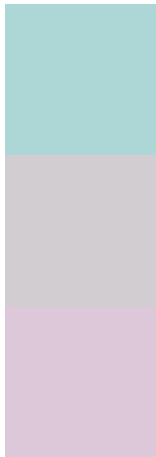


This preview shows how white text looks on a background with the CIELCh color 83, 14.380, 198.419.

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](#).

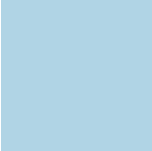
Dichromacy



Original Color
83, 14.380, 198.419

Protanopia
83, 2.586, 324.444

Deuteranopia
83, 12.213, 329.151



Tritanopia
83, 14.755, 236.476

Trichromacy



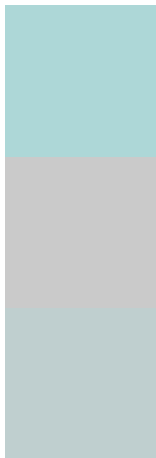
Original Color
83, 14.380, 198.419

Protanomaly
83, 4.724, 212.149

Deuteranomaly
83, 6.383, 284.373

Tritanomaly
83, 13.884, 223.510

Monochromacy



Original Color
83, 14.380, 198.419

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, 14.380, 198.419 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(173, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 215, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 14.380, 198.419 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(173, 215, 215) }
```

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

```
.border{ border-color:rgb(173, 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(173, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 215, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 215, 215);  
box-shadow:4px 4px 4px 4px rgb(173, 215,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 14.380, 198.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 215, 215) }
```

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

```
.background{ background-color: rgb(173,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor