

Converting Colors

CIELCh(80, 14.644, 198.350)

Have a look what the booklet for
CIELCh(80, 14.644, 198.350)
contains.

CIELCh(80, 14.458, 198.379)	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(80, 14.458, 198.379)

Conversions

Conversions Part 1

Format	Color
Hex	A4CECE
RGB	164, 206, 206
RGB Percent	64%, 81%, 81%
CMY	0.3557, 0.1910, 0.1910
CMYK	0.20, 0.00, 0.00, 0.19
HSL	180°, 30%, 73%
HSV	180°, 20%, 81%
XYZ	48.6906, 56.6813, 66.9573
YIQ	193.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

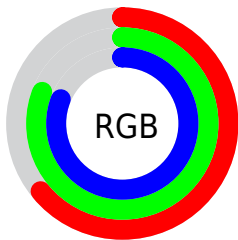
Format	Color
RYB	164, 185, 206
Decimal	10800846
CIELab	80.00, -13.72, -4.56
CIElCh	80, 14.458, 198.379
Yxy	56.6813, 0.2825, 0.3289
Android (android.graphics.Color)	4288990926 (0xFFA4CECE)
YUV	193.4420, 6.1911, -25.8206
Hunter-Lab	75.2870, -16.3104, -0.0294

Details

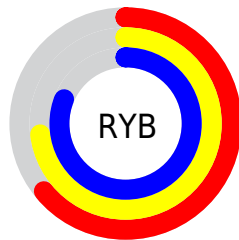
The CIELCh color **80, 14.458, 198.379** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 16.526, 20.856**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 11.803, 198.717**, and **60, 14.628, 198.092** is the 20% darker color. If you saturate the color by 10%, you get **79, 20.803, 197.905**, and if you desaturate by 10%, it is **81, 7.575, 198.911**.

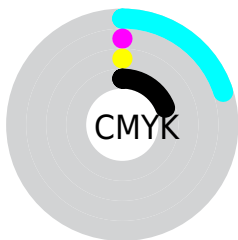
Distribution



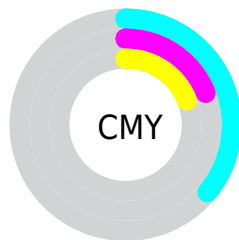
- Red (64%)
- Green (81%)
- Blue (81%)



- Red (64%)
- Yellow (73%)
- Blue (81%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (36%)
- Magenta (19%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 14.458, 198.379 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 80, 14.458, 198.379 by changing the saturation by 10% instead.


 80, 14.458,
198.379


 80, 14.458,
198.379


 100, 14.458,
198.379


 70, 14.458,
198.379


 60, 14.458,
198.379

 50, 14.458,
198.379

 40, 14.458,
198.379

 30, 14.458,
198.379

 20, 14.458,
198.379

 10, 14.458,

198.379

0, 14.458, 198.379

80, 14.458,
198.379

80, 14.458,
198.379

79, 20.803,
197.905

81, 7.575, 198.911

78, 26.487,
197.497

83, 0.270, 201.468

84, 7.347, 19.875

77, 31.399,
197.151

86, 15.183, 20.511

76, 35.448,
196.871

87, 18.333, 20.758

87, 18.333, 20.755

76, 38.576,
196.656

87, 18.333, 20.752

■ 76, 40.774,
196.507

■ 87, 18.333, 20.750

■ 75, 42.092,
196.417

■ 87, 18.333, 20.747

■ 75, 42.719,
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.



80, 14.458, 198.379



71, 16.526, 20.856

Rectangle

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



80, 14.458, 198.379



80, 14.458, 248.379



80, 14.458, 18.379



80, 14.458, 68.379

Sweetspot

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



80, 14.459, 198.373



99, 5.264, 199.191



79, 27.251, 142.727



53, 3.486, 199.143



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 14.459, 198.373



96, 19.973, 198.182



75, 13.074, 256.492



42, 4.119, 198.970



62, 36.303, 196.374



13, 13.514, 196.377

Inverse Universe

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



71, 16.526, 20.856



84, 23.487, 21.251



76, 13.873, 71.117



40, 4.369, 19.919



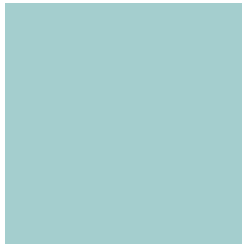
34, 75.550, 39.820



4, 17.910, 19.401

Previews

White Background



This preview shows how the CIELCh color 80, 14.458, 198.379 looks on a white background.

Color Contrast Check

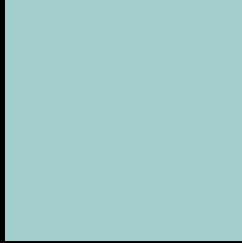
Large Text (above 18pt) WCAG AA × Fail

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 80, 14.458, 198.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

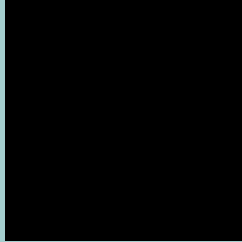
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

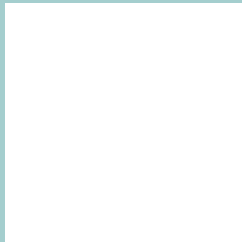
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 14.458, 198.379

Background



This preview shows how black text looks on a background with the CIELCh color 80, 14.458, 198.379.

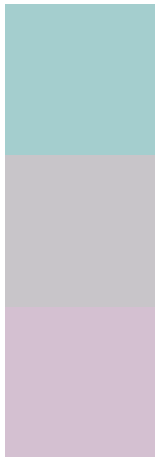


This preview shows how white text looks on a background with the CIELCh color 80, 14.458, 198.379.

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](#).

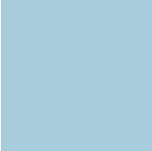
Dichromacy



Original Color
80, 14.458, 198.379

Protanopia
80, 2.416, 317.298

Deuteranopia
80, 11.664, 329.379



Tritanopia
80, 14.801, 234.043

Trichromacy



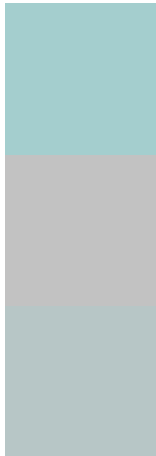
Original Color
80, 14.458, 198.379

Protanomaly
80, 4.887, 218.318

Deuteranomaly
80, 5.902, 283.765

Tritanomaly
80, 14.069, 220.925

Monochromacy



Original Color
80, 14.458, 198.379

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 5.394, 199.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 14.458, 198.379 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(164, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(164, 206, 206)  
}
```

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(164, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 206, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 14.458, 198.379 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(164, 206, 206) }
```

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

```
.border{ border-color:rgb(164, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(164, 206,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 14.458, 198.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 206, 206) }
```

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

```
.background{ background-color: rgb(164,  
206, 206) }
```

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