

Converting Colors

CIELCh(84, 22.608, 186.001)

Have a look what the booklet for
CIELCh(84, 22.608, 186.001)
contains.

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Color

CIElCh(84, 22.733, 185.712)

Conversions

Conversions Part 1

Format	Color
Hex	9CDED5
RGB	156, 222, 213
RGB Percent	61%, 87%, 84%
CMY	0.3885, 0.1297, 0.1650
CMYK	0.30, 0.00, 0.04, 0.13
HSL	172°, 50%, 74%
HSV	172°, 30%, 87%
XYZ	51.8002, 64.0658, 72.5392
YIQ	201.2400, -36.4470, -16.7910

Conversions

Conversions Part 2

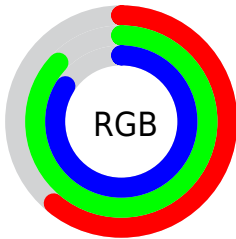
Format	Color
RYB	156, 191, 222
Decimal	10280661
CIELab	84.00, -22.62, -2.26
CIELCh	84, 22.733, 185.712
Yxy	64.0658, 0.2749, 0.3400
Android (android.graphics.Color)	4288470741 (0xFF9CDED5)
YUV	201.2400, 5.7977, -39.6755
Hunter-Lab	80.0411, -24.5521, 2.2958

Details

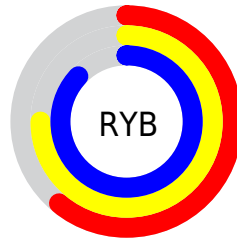
The CIELCh color **84, 22.733, 185.712** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 26.395, 11.409**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **64, 23.005, 184.754** is the 20% darker color. If you saturate the color by 10%, you get **83, 29.404, 184.787**, and if you desaturate by 10%, it is **85, 15.485, 186.599**.

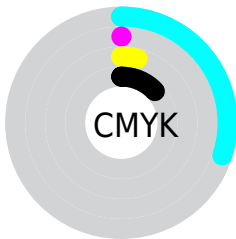
Distribution



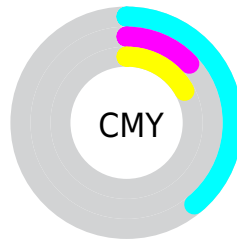
- Red (61%)
- Green (87%)
- Blue (84%)



- Red (61%)
- Yellow (75%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (39%)
- Magenta (13%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 22.733, 185.712 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 84, 22.733, 185.712 by changing the saturation by 10% instead.


 84, 22.733,
185.712

 84, 22.733,
185.712


 100, 22.733,
185.712


 74, 22.733,
185.712

 64, 22.733,
185.712

 54, 22.733,
185.712

 44, 22.733,
185.712

 34, 22.733,
185.712

 24, 22.733,
185.712

 14, 22.733,

185.712

■ 4, 22.733, 185.712

■ 0, 22.733, 185.712

■ 84, 22.733,
185.712

■ 84, 22.733,
185.712

■ 83, 29.404,
184.787

■ 85, 15.485,
186.599

■ 82, 35.360,
183.818

■ 87, 7.793, 187.485

■ 81, 40.482,
182.786

■ 88, 0.216, 5.598

■ 90, 8.430, 8.975

■ 81, 44.681,
181.670


■ 91, 12.440, 5.568


■ 80, 47.918,


■ 91, 12.877,


180.451


358.811


 80, 50.223,
179.107

 91, 13.486,
352.590

 80, 51.777,
177.649

 92, 14.245,
346.981

 80, 51.815,
177.611

 92, 15.131,
341.998

Harmonies

Complementary

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



84, 22.733, 185.712



71, 26.395, 11.409

Rectangle

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



84, 22.733, 185.712



84, 22.733, 235.712



84, 22.733, 5.712



84, 22.733, 55.712

Sweetspot

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



84, 22.734, 185.709



98, 8.070, 187.546



83, 40.449, 138.610



52, 5.594, 187.412



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 22.734, 185.709



94, 30.177, 185.110



78, 18.330, 241.374



46, 4.587, 187.511



64, 43.455, 177.859



17, 17.390, 180.534

Inverse Universe

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



71, 26.395, 11.409



76, 36.345, 12.418



76, 21.491, 55.320



44, 4.796, 8.984



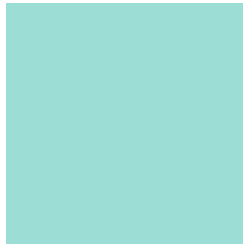
37, 73.232, 33.613



6, 25.308, 15.178

Previews

White Background



This preview shows how the CIELCh color 84, 22.733, 185.712 looks on a white background.

Color Contrast Check

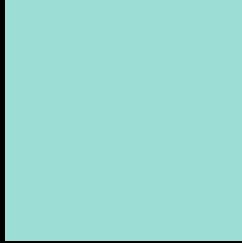
Large Text (above 18pt) WCAG AA × Fail

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 84, 22.733, 185.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

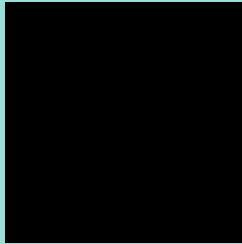
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

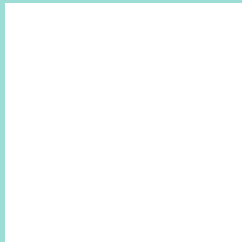
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 22.733, 185.712

Background



This preview shows how black text looks on a background with the CIELCh color 84, 22.733, 185.712.

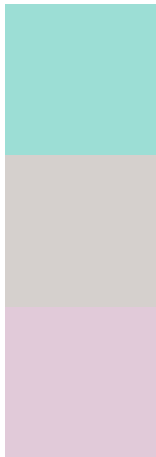


This preview shows how white text looks on a background with the CIELCh color 84, 22.733, 185.712.

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
84, 22.733, 185.712

Protanopia
84, 2.401, 60.296

Deuteranopia
84, 11.530, 336.989

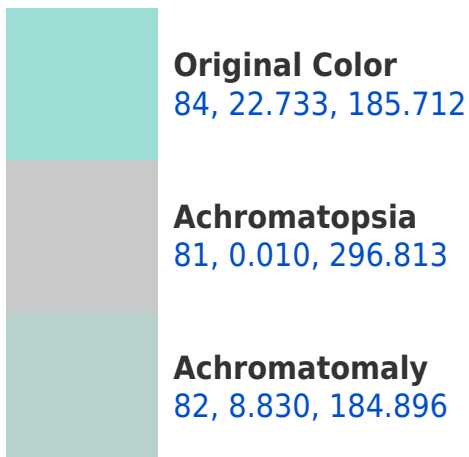


Tritanopia
84, 20.260, 226.462

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 22.733, 185.712 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(156, 222, 213)` looks like.

```
.text, #text, p{  
    color:rgb(156, 222, 213)  
}
```

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(156, 222, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 222, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 22.733, 185.712 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(156, 222, 213) }
```

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

```
.border{ border-color:rgb(156, 222, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 222, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 222, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 222, 213);  
box-shadow:4px 4px 4px 4px rgb(156, 222,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 22.733, 185.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 222, 213) }
```

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

```
.background{ background-color: rgb(156,  
222, 213) }
```

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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