

Converting Colors

CIELCh(83, 16.924, 198.240)

Have a look what the booklet for
CIELCh(83, 16.924, 198.240)
contains.

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Color

CIELCh(83, 16.900, 198.241)

Conversions

Conversions Part 1

Format	Color
Hex	A6D8D8
RGB	166, 216, 216
RGB Percent	65%, 85%, 85%
CMY	0.3491, 0.1530, 0.1530
CMYK	0.23, 0.00, 0.00, 0.15
HSL	180°, 39%, 75%
HSV	180°, 23%, 85%
XYZ	52.6645, 62.1629, 74.1749
YIQ	201.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

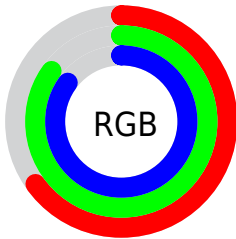
Format	Color
RYB	166, 191, 216
Decimal	10934488
CIELab	83.00, -16.05, -5.29
CIElCh	83, 16.900, 198.241
Yxy	62.1629, 0.2786, 0.3289
Android (android.graphics.Color)	4289124568 (0xFFA6D8D8)
YUV	201.0500, 7.3704, -30.7388
Hunter-Lab	78.8435, -18.7447, -0.5888

Details

The CIELCh color **83, 16.900, 198.241** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 19.718, 21.141**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **63, 16.762, 197.960** is the 20% darker color. If you saturate the color by 10%, you get **82, 23.302, 197.784**, and if you desaturate by 10%, it is **84, 9.902, 198.752**.

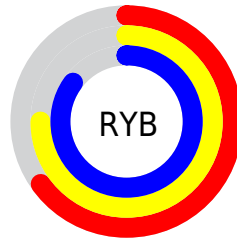
Distribution



Red (65%)

Green (85%)

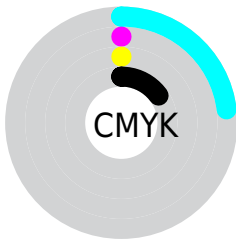
Blue (85%)



Red (65%)

Yellow (75%)

Blue (85%)

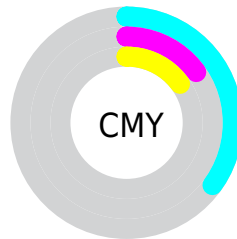


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (15%)



Cyan (35%)


Magenta (15%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 16.900, 198.241 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, 16.900, 198.241 by changing the saturation by 10% instead.


 83, 16.900,
198.241


 83, 16.900,
198.241


 100, 16.900,
198.241


 73, 16.900,
198.241

 63, 16.900,
198.241

 53, 16.900,
198.241

 43, 16.900,
198.241

 33, 16.900,
198.241

 23, 16.900,
198.241

 13, 16.900,

198.241

■ 3, 16.900, 198.241

■ 0, 16.900, 198.241

■ 83, 16.900,
198.241

■ 83, 16.900,
198.241

■ 82, 23.302,
197.784

■ 84, 9.902, 198.752

■ 81, 28.981,
197.393

■ 86, 2.431, 199.467

■ 87, 5.396, 19.685

■ 80, 33.825,
197.065

■ 89, 13.476, 20.342

■ 79, 37.749,
196.803

■ 90, 14.470, 20.416

■ 90, 14.470, 20.414

■ 79, 40.707,

196.608

90, 14.470, 20.412

79, 42.705,
196.477

90, 14.470, 20.410

79, 43.816,
196.405

90, 14.470, 20.407

78, 44.213,
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, 16.900, 198.241



73, 19.718, 21.141

Rectangle

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



83, 16.900, 198.241



83, 16.900, 248.241



83, 16.900, 18.241



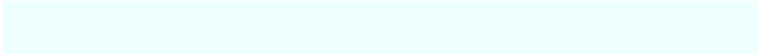
83, 16.900, 68.241

Sweetspot

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



83, 16.901, 198.236



99, 6.127, 199.121



82, 32.168, 142.510



53, 3.975, 199.080



0, 0.000, 0.000



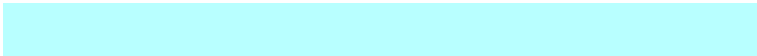
53, 0.007, 296.813

Same Dimension

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



83, 16.901, 198.236



96, 22.962, 197.997



76, 15.393, 256.978



44, 4.287, 198.969



63, 37.124, 196.379



15, 14.559, 196.380

Inverse Universe

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



73, 19.718, 21.141



81, 27.825, 21.702



79, 16.488, 70.773



42, 4.550, 19.925



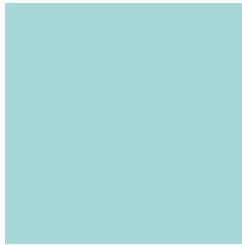
35, 77.347, 39.897



5, 22.000, 19.765

Previews

White Background



This preview shows how the CIELCh color 83, 16.900, 198.241 looks on a white background.

Color Contrast Check

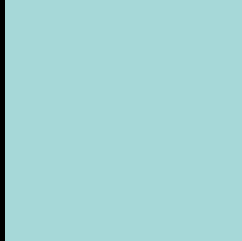
Large Text (above 18pt) WCAG AA × Fail

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, 16.900, 198.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

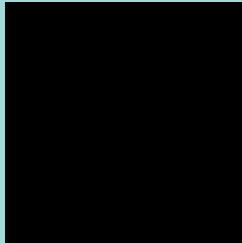
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

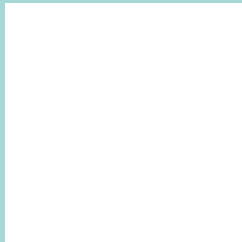
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 16.900, 198.241

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.900, 198.241.

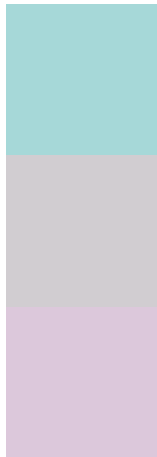


This preview shows how white text looks on a background with the CIELCh color 83, 16.900, 198.241.

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, 16.900, 198.241

Protanopia

83, 2.586, 324.444

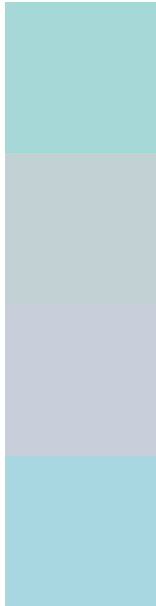
Deuteranopia

83, 12.414, 326.295



Tritanopia
83, 17.017, 230.609

Trichromacy



Original Color
83, 16.900, 198.241

Protanomaly
83, 5.847, 214.885

Deuteranomaly
83, 6.656, 272.232

Tritanomaly
83, 16.447, 219.244

Monochromacy



Original Color
83, 16.900, 198.241

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.406, 199.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.900, 198.241 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(166, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 216, 216)  
}
```

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(166, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 216, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.900, 198.241 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(166, 216, 216) }
```

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

```
.border{ border-color:rgb(166, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(166, 216,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.900, 198.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 216, 216) }
```

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

```
.background{ background-color: rgb(166,  
216, 216) }
```

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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