

Converting Colors

CIELCh(84, 9.636, 198.305)

Have a look what the booklet for
CIELCh(84, 9.636, 198.305) contains.

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Color

CIELCh(84, 9.774, 198.764)

Conversions

Conversions Part 1

Format	Color
Hex	BBD7D7
RGB	187, 215, 215
RGB Percent	73%, 84%, 84%
CMY	0.2667, 0.1569, 0.1569
CMYK	0.13, 0.00, 0.00, 0.16
HSL	180°, 26%, 79%
HSV	180°, 13%, 84%
XYZ	57.0540, 64.0658, 73.6428
YIQ	206.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

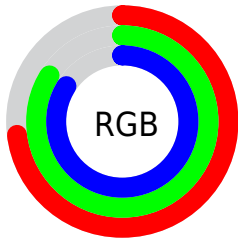
Format	Color
RYB	187, 201, 215
Decimal	12310487
CIELab	84.00, -9.25, -3.14
CIELCh	84, 9.774, 198.764
Yxy	64.0658, 0.2929, 0.3289
Android (android.graphics.Color)	4290500567 (0xFFBBD7D7)
YUV	206.6280, 4.1274, -17.2138
Hunter-Lab	80.0411, -12.8355, 1.4782

Details

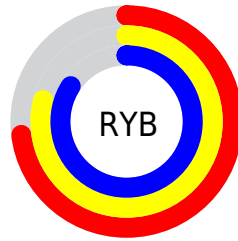
The CIELCh color **84, 9.774, 198.764** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 10.623, 20.210**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.141, 199.303**, and **64, 9.857, 198.574** is the 20% darker color. If you saturate the color by 10%, you get **83, 16.754, 198.237**, and if you desaturate by 10%, it is **85, 2.326, 199.479**.

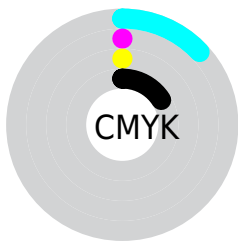
Distribution



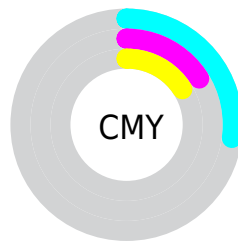
- Red (73%)
- Green (84%)
- Blue (84%)



- Red (73%)
- Yellow (79%)
- Blue (84%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 9.774, 198.764 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, 9.774, 198.764 by changing the saturation by 10% instead.

 84, 9.774, 198.764

 84, 9.774, 198.764

 100, 9.774,
198.764

 74, 9.774, 198.764

 64, 9.774, 198.764

 54, 9.774, 198.764

 44, 9.774, 198.764

 34, 9.774, 198.764

 24, 9.774, 198.764

 14, 9.774, 198.764

 4, 9.774, 198.764

 0, 9.774, 198.764

84, 9.774, 198.764

84, 9.774, 198.764

83, 16.754,
198.237

85, 2.326, 199.479

82, 23.141,
197.784

87, 5.475, 19.689

81, 28.809,
197.392

89, 13.527, 20.345

80, 33.648,
197.063

89, 14.859, 20.444

79, 37.571,
196.800

89, 14.859, 20.439

79, 40.532,
196.604

89, 14.859, 20.435

78, 42.536,
196.471

89, 14.859, 20.430

78, 43.656,
196.397

89, 14.859, 20.425

89, 14.859, 20.421

■ 78, 44.062,
196.370

Harmonies

Complementary

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



84, 9.774, 198.764



78, 10.623, 20.210

Rectangle

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



84, 9.774, 198.764



84, 9.774, 248.764



84, 9.774, 18.764



84, 9.774, 68.764

Sweetspot

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



84, 9.775, 198.754



99, 3.526, 199.361



83, 17.978, 143.241



53, 2.501, 199.290



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, 9.775, 198.754



97, 13.668, 198.584



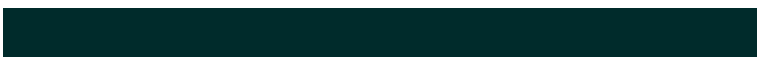
80, 8.693, 255.360



44, 4.287, 198.964



63, 37.125, 196.370



15, 14.559, 196.373

Inverse Universe

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



78, 10.623, 20.210



89, 15.173, 20.475



82, 9.010, 71.987



42, 4.550, 19.921



35, 77.344, 39.894



5, 22.000, 19.762

Previews

White Background



This preview shows how the CIELCh color 84, 9.774, 198.764 looks on a white background.

Color Contrast Check

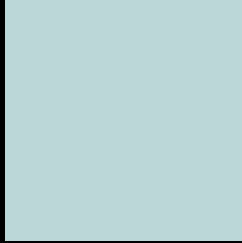
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 9.774, 198.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

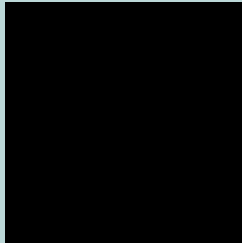
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

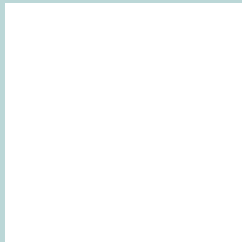
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 9.774, 198.764

Background



This preview shows how black text looks on a background with the CIELCh color 84, 9.774, 198.764.

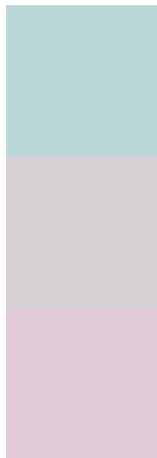


This preview shows how white text looks on a background with the CIELCh color 84, 9.774, 198.764.

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

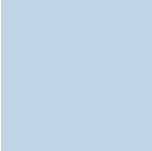
84, 9.774, 198.764

Protanopia

84, 2.165, 332.305

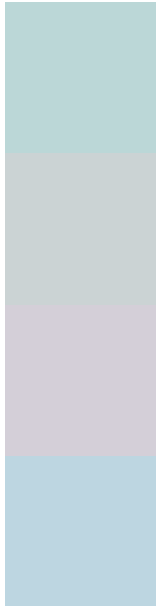
Deuteranopia

84, 11.171, 338.960



Tritanopia
84, 11.720, 249.150

Trichromacy



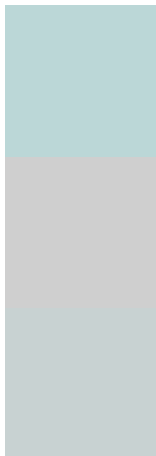
Original Color
84, 9.774, 198.764

Protanomaly
84, 2.902, 209.871

Deuteranomaly
84, 5.106, 311.132

Tritanomaly
84, 10.215, 233.652

Monochromacy



Original Color
84, 9.774, 198.764

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 3.580, 199.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 9.774, 198.764 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(187, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 215, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 9.774, 198.764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

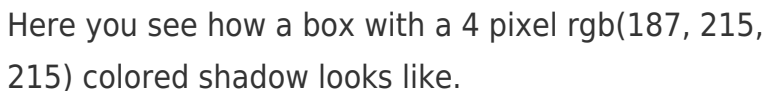
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 215, 215) }
```

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

```
.border{ border-color:rgb(187, 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(187, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 215, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 215, 215); box-shadow:4px 4px 4px 4px rgb(187, 215, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 9.774, 198.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 215, 215) }
```

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

```
.background{ background-color: rgb(187,  
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](#).

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