

Converting Colors

CIELCh(81, 10.839, 198.659)

Have a look what the booklet for
CIELCh(81, 10.839, 198.659)
contains.

CIELCh(81, 10.839, 198.659)	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(81, 10.839, 198.659)

Conversions

Conversions Part 1

Format	Color
Hex	B0CFCF
RGB	176, 207, 207
RGB Percent	69%, 81%, 81%
CMY	0.3091, 0.1876, 0.1876
CMYK	0.15, 0.00, 0.00, 0.19
HSL	180°, 24%, 75%
HSV	180°, 15%, 81%
XYZ	51.5797, 58.4711, 67.7081
YIQ	197.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

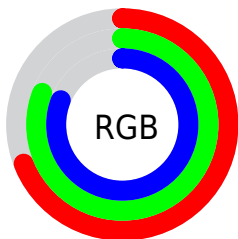
Format	Color
RYB	176, 192, 207
Decimal	11587535
CIELab	81.00, -10.27, -3.47
CIElCh	81, 10.839, 198.659
Yxy	58.4711, 0.2902, 0.3289
Android (android.graphics.Color)	4289777615 (0xFFB0CFCF)
YUV	197.7310, 4.5696, -19.0581
Hunter-Lab	76.4664, -13.4106, 1.0274

Details

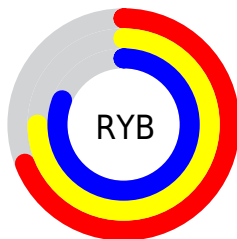
The CIELCh color $81, 10.839, 198.659$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $75, 11.933, 20.370$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 7.855, 198.993$, and $61, 10.955, 198.439$ is the 20% darker color. If you saturate the color by 10%, you get $80, 17.513, 198.148$, and if you desaturate by 10%, it is $82, 3.690, 199.277$.

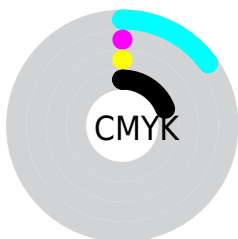
Distribution



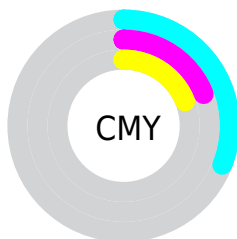
- Red (69%)
- Green (81%)
- Blue (81%)



- Red (69%)
- Yellow (75%)
- Blue (81%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (31%)
- Magenta (19%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 10.839, 198.659 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 81, 10.839, 198.659 by changing the saturation by 10% instead.


 81, 10.839,
198.659


 81, 10.839,
198.659


 100, 10.839,
198.659


 71, 10.839,
198.659


 61, 10.839,
198.659

 51, 10.839,
198.659

 41, 10.839,
198.659

 31, 10.839,
198.659

 21, 10.839,
198.659

 11, 10.839,

198.659

■ 1, 10.839, 198.659

■ 0, 10.839, 198.659

■ 81, 10.839,
198.659

■ 81, 10.839,
198.659

■ 80, 17.513,
198.148

■ 82, 3.690, 199.277

■ 79, 23.588,
197.708

■ 84, 3.822, 19.535

■ 78, 28.947,
197.328

■ 86, 11.594, 20.221

■ 77, 33.486,
197.012

■ 87, 17.981, 20.725

■ 87, 17.981, 20.722

■ 76, 37.126,

■ 87, 17.981, 20.719

196.761

87, 17.981, 20.715

76, 39.832,
196.577

87, 17.981, 20.712

76, 41.619,
196.456

87, 17.981, 20.709

76, 42.569,
196.391

76, 42.854,
196.371

Harmonies

Complementary

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



81, 10.839, 198.659



75, 11.933, 20.370

Rectangle

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



81, 10.839, 198.659



81, 10.839, 248.659



81, 10.839, 18.659



81, 10.839, 68.659

Sweetspot

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



81, 10.840, 198.651



99, 3.526, 199.361



80, 20.063, 143.112



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.



81, 10.840, 198.651



97, 15.282, 198.480



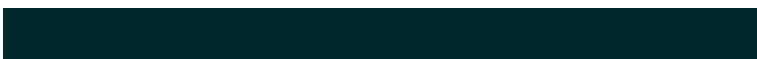
77, 9.679, 255.641



43, 4.203, 198.967



62, 36.715, 196.372



14, 14.039, 196.375

Inverse Universe

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



75, 11.933, 20.370



88, 17.206, 20.656



78, 10.094, 71.761



41, 4.460, 19.919



35, 76.451, 39.860



4, 20.018, 19.462

Previews

White Background



This preview shows how the CIELCh color 81, 10.839, 198.659 looks on a white background.

Color Contrast Check

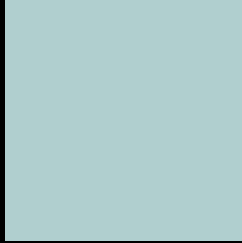
Large Text (above 18pt) WCAG AA × Fail

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 81, 10.839, 198.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

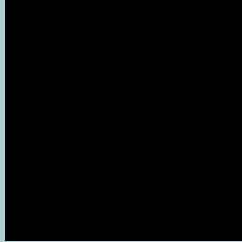
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

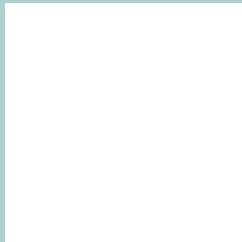
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 10.839, 198.659

Background



This preview shows how black text looks on a background with the CIELCh color 81, 10.839, 198.659.

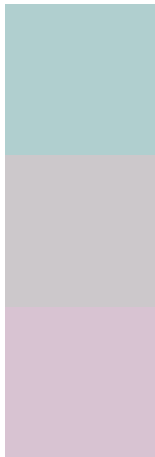


This preview shows how white text looks on a background with the CIELCh color 81, 10.839, 198.659.

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
81, 10.839, 198.659

Protanopia
81, 2.180, 332.315

Deuteranopia
81, 11.084, 334.339



Tritanopia
81, 12.089, 243.843

Trichromacy



Original Color
81, 10.839, 198.659

Protanomaly
81, 3.386, 217.645

Deuteranomaly
81, 5.449, 302.067

Tritanomaly
81, 10.862, 228.233

Monochromacy



Original Color
81, 10.839, 198.659

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.964, 199.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 10.839, 198.659 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(176, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(176, 207, 207)  
}
```

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(176, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 207, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 10.839, 198.659 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(176, 207, 207) }
```

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

```
.border{ border-color:rgb(176, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(176, 207,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 10.839, 198.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 207, 207) }
```

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

```
.background{ background-color: rgb(176,  
207, 207) }
```

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