

Converting Colors

CIELCh(81, 8.006, 198.885)

Have a look what the booklet for
CIELCh(81, 8.006, 198.885) contains.

CIELCh(81, 8.135, 198.871)	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, 8.135, 198.871)

Conversions

Conversions Part 1

Format	Color
Hex	B7CECE
RGB	183, 206, 206
RGB Percent	72%, 81%, 81%
CMY	0.2835, 0.1933, 0.1933
CMYK	0.11, 0.00, 0.00, 0.19
HSL	180°, 19%, 76%
HSV	180°, 11%, 81%
XYZ	52.5616, 58.4711, 66.7175
YIQ	199.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

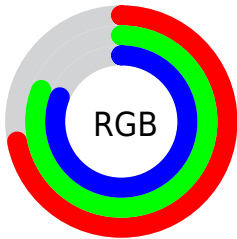
Format	Color
RYB	183, 195, 206
Decimal	12046030
CIELab	81.00, -7.70, -2.63
CIELCh	81, 8.135, 198.871
Yxy	58.4711, 0.2957, 0.3290
Android (android.graphics.Color)	4290236110 (0xFFB7CECE)
YUV	199.1230, 3.3904, -14.1399
Hunter-Lab	76.4664, -11.1186, 1.7955

Details

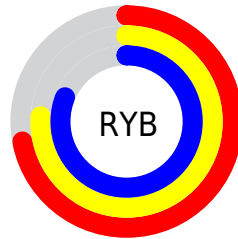
The CIELCh color **81, 8.135, 198.871** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76, 8.732, 20.057**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.502, 199.177**, and **61, 8.165, 198.703** is the 20% darker color. If you saturate the color by 10%, you get **80, 14.964, 198.329**, and if you desaturate by 10%, it is **82, 0.878, 199.971**.

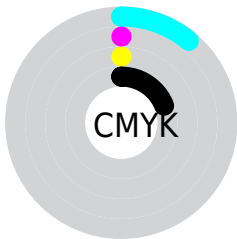
Distribution



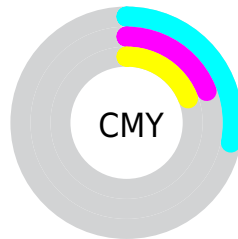
- Red (72%)
- Green (81%)
- Blue (81%)



- Red (72%)
- Yellow (76%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (28%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 8.135, 198.871 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, 8.135, 198.871 by changing the saturation by 10% instead.

■ 81, 8.135, 198.871

■ 81, 8.135, 198.871

■ 100, 8.135,
198.871

■ 71, 8.135, 198.871

■ 61, 8.135, 198.871

■ 51, 8.135, 198.871

■ 41, 8.135, 198.871

■ 31, 8.135, 198.871

■ 21, 8.135, 198.871

■ 11, 8.135, 198.871

■ 1, 8.135, 198.871

■ 0, 8.135, 198.871

81, 8.135, 198.871

81, 8.135, 198.871

80, 14.964,
198.329

82, 0.878, 199.971

79, 21.244,
197.865

84, 6.700, 19.816

78, 26.857,
197.462

86, 14.502, 20.456

77, 31.691,
197.121

87, 18.576, 20.776

76, 35.657,
196.846

87, 18.576, 20.772

76, 38.703,
196.636

87, 18.576, 20.767

75, 40.823,
196.491

87, 18.576, 20.763

75, 42.072,
196.406

87, 18.576, 20.759

87, 18.575, 20.755

■ 75, 42.627,
196.367

Harmonies

Complementary

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



81, 8.135, 198.871



76, 8.732, 20.057

Rectangle

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



81, 8.135, 198.871



81, 8.135, 248.871



81, 8.135, 18.871



81, 8.135, 68.871

Sweetspot

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



81, 8.136, 198.859



99, 2.650, 199.477



80, 14.872, 143.365



53, 2.005, 199.380



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, 8.136, 198.859



98, 11.202, 198.747



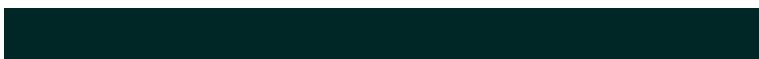
78, 7.208, 255.095



42, 4.119, 198.966



62, 36.304, 196.367



13, 13.515, 196.371

Inverse Universe

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



76, 8.732, 20.057



91, 12.182, 20.217



79, 7.427, 72.206



40, 4.369, 19.915



34, 75.548, 39.818



4, 17.910, 19.399

Previews

White Background



This preview shows how the CIELCh color 81, 8.135, 198.871 looks on a white background.

Color Contrast Check

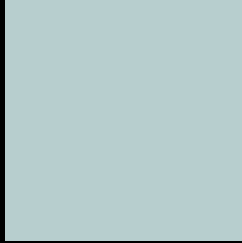
Large Text (above 18pt) WCAG AA × Fail

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 81, 8.135, 198.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

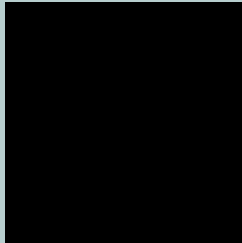
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

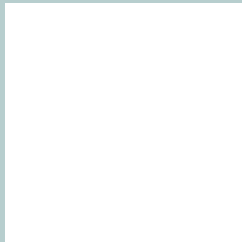
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 8.135, 198.871

Background



This preview shows how black text looks on a background with the CIELCh color 81, 8.135, 198.871.

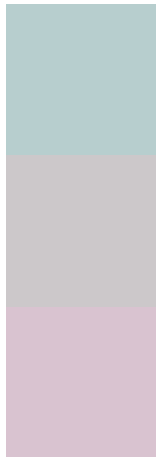


This preview shows how white text looks on a background with the CIELCh color 81, 8.135, 198.871.

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

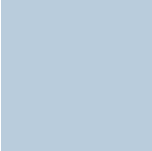
81, 8.135, 198.871

Protanopia

81, 1.823, 343.584

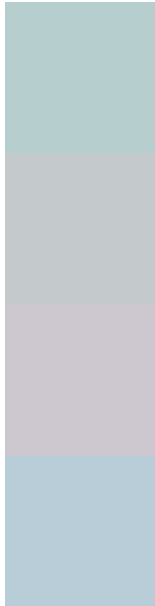
Deuteranopia

81, 10.633, 339.799



Tritanopia
81, 10.582, 252.778

Trichromacy



Original Color
81, 8.135, 198.871

Protanomaly
81, 2.225, 213.320

Deuteranomaly
81, 4.806, 317.416

Tritanomaly
81, 8.913, 235.713

Monochromacy



Original Color
81, 8.135, 198.871

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.892, 199.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 8.135, 198.871 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(183, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 206, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 8.135, 198.871 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(183, 206, 206) }
```

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

```
.border{ border-color:rgb(183, 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(183, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(183, 206,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 8.135, 198.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 206, 206) }
```

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

```
.background{ background-color: rgb(183,  
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