

Converting Colors

CIELCh(81, 39.816, 159.003)

Have a look what the booklet for
CIELCh(81, 39.816, 159.003)
contains.

CIELCh(81, 39.840, 158.981)	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, 39.840, 158.981)

Conversions

Conversions Part 1

Format	Color
Hex	81DBAD
RGB	129, 219, 173
RGB Percent	51%, 86%, 68%
CMY	0.4934, 0.1404, 0.3208
CMYK	0.41, 0.00, 0.21, 0.14
HSL	149°, 56%, 68%
HSV	149°, 41%, 86%
XYZ	42.0253, 58.4711, 48.7004
YIQ	186.8460, -38.8740, -33.3860

Conversions

Conversions Part 2

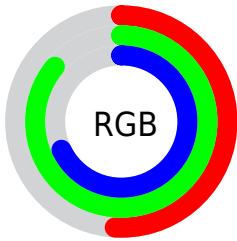
Format	Color
RYB	129, 189, 219
Decimal	8510381
CIELab	81.00, -37.19, 14.29
CIELCh	81, 39.840, 158.981
Yxy	58.4711, 0.2817, 0.3919
Android (android.graphics.Color)	4286700461 (0xFF81DBAD)
YUV	186.8460, -6.8261, -50.7309
Hunter-Lab	76.4664, -35.7142, 15.7655

Details

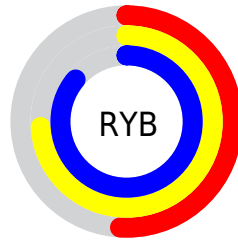
The CIELCh color **81, 39.840, 158.981** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 41.688, 347.122**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.720, 167.617**, and **61, 39.352, 159.336** is the 20% darker color. If you saturate the color by 10%, you get **80, 48.716, 157.641**, and if you desaturate by 10%, it is **82, 30.476, 160.163**.

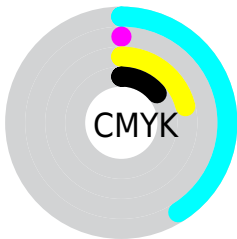
Distribution



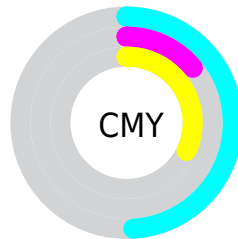
- Red (51%)
- Green (86%)
- Blue (68%)



- Red (51%)
- Yellow (74%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 39.840, 158.981 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, 39.840, 158.981 by changing the saturation by 10% instead.


 81, 39.840,
158.981


 81, 39.840,
158.981


 100, 39.840,
158.981


 71, 39.840,
158.981


 61, 39.840,
158.981

 51, 39.840,
158.981

 41, 39.840,
158.981

 31, 39.840,
158.981

 21, 39.840,
158.981

 11, 39.840,

158.981

■ 1, 39.840, 158.981

■ 0, 39.840, 158.981

■ 81, 39.840,
158.981

■ 81, 39.840,
158.981

■ 80, 48.716,
157.641

■ 82, 30.476,
160.163

■ 79, 56.933,
156.120

■ 84, 20.789,
161.215

■ 78, 64.348,
154.396

■ 85, 10.934,
162.167

■ 78, 70.865,
152.459

■ 87, 1.041, 163.381

■ 77, 76.462,

■ 89, 8.785, 343.680

150.317

91, 16.867,
340.047

77, 80.817,
148.310

91, 21.017,
327.901

91, 22.415,
325.205

Harmonies

Complementary

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



81, 39.840, 158.981



65, 41.688, 347.122

Rectangle

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



81, 39.840, 158.981



81, 39.840, 208.981



81, 39.840, 338.981



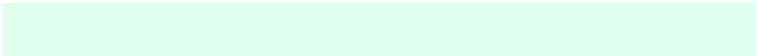
81, 39.840, 28.981

Sweetspot

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



81, 39.841, 158.980



98, 13.411, 162.071



83, 49.359, 126.542



52, 8.896, 161.949



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, 39.841, 158.980



92, 53.021, 157.873



82, 28.333, 195.833



45, 5.612, 162.316



62, 67.296, 148.704



16, 24.589, 153.469

Inverse Universe

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



65, 41.688, 347.122



70, 55.746, 348.265



64, 37.616, 22.270



43, 5.681, 343.789



37, 63.622, 0.727



6, 25.185, 353.730

Previews

White Background



This preview shows how the CIELCh color 81, 39.840, 158.981 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, 39.840, 158.981 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

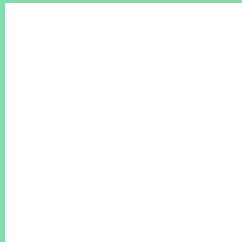
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 39.840, 158.981

Background



This preview shows how black text looks on a background with the CIELCh color 81, 39.840, 158.981.

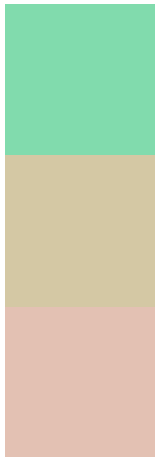


This preview shows how white text looks on a background with the CIELCh color 81, 39.840, 158.981.

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, 39.840, 158.981

Protanopia
81, 19.603, 94.498

Deuteranopia
81, 15.210, 49.261



Tritanopia
81, 23.390, 220.921

Trichromacy



Original Color
81, 39.840, 158.981



Protanomaly
80, 23.212, 132.468



Deuteranomaly
80, 14.524, 127.132

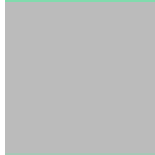


Tritanomaly
81, 25.730, 190.417

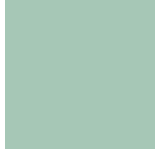
Monochromacy



Original Color
81, 39.840, 158.981



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 15.195, 161.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 39.840, 158.981 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(129, 219, 173)` looks like.

```
.text, #text, p{  
    color:rgb(129, 219, 173)  
}
```

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(129, 219, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 219, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 39.840, 158.981 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(129, 219, 173) }
```

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

```
.border{ border-color:rgb(129, 219, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 219, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 219, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 219, 173);  
box-shadow:4px 4px 4px 4px rgb(129, 219,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 39.840, 158.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 219, 173) }
```

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

```
.background{ background-color: rgb(129,  
219, 173) }
```

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