

Converting Colors

CIELCh(81, 49.704, 183.142)

Have a look what the booklet for
CIELCh(81, 49.704, 183.142)
contains.

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Color

CIELCh(81, 49.477, 183.551)

Conversions

Conversions Part 1

Format	Color
Hex	04E1CD
RGB	4, 225, 205
RGB Percent	2%, 88%, 80%
CMY	0.9844, 0.1164, 0.1949
CMYK	0.98, 0.00, 0.09, 0.12
HSL	175°, 97%, 45%
HSV	175°, 98%, 88%
XYZ	38.1174, 58.4711, 67.2293
YIQ	156.6410, -125.2960, -53.0720

Conversions

Conversions Part 2

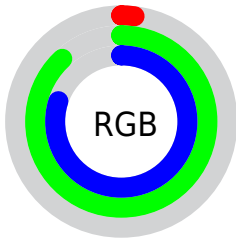
Format	Color
RYB	4, 120, 225
Decimal	319949
CIELab	81.00, -49.38, -3.06
CIElCh	81, 49.477, 183.551
Yxy	58.4711, 0.2327, 0.3569
Android (android.graphics.Color)	4278510029 (0xFF04E1CD)
YUV	156.6410, 23.8410, -133.8662
Hunter-Lab	76.4664, -44.8364, 1.3987

Details

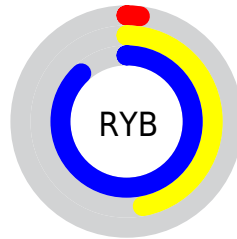
The CIELCh color **81, 49.477, 183.551** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **47, 90.365, 36.259**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **62, 40.715, 181.534** is the 20% darker color. If you saturate the color by 10%, you get **81, 49.666, 183.358**, and if you desaturate by 10%, it is **81, 48.208, 184.627**.

Distribution



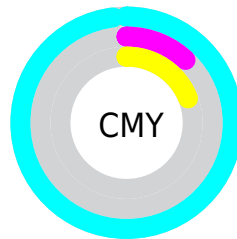
- Red (2%)
- Green (88%)
- Blue (80%)



- Red (2%)
- Yellow (47%)
- Blue (88%)



- Cyan (98%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)





- Cyan (98%)
- Magenta (12%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 49.477, 183.551 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, 49.477, 183.551 by changing the saturation by 10% instead.


 81, 49.477,
183.551


 81, 49.477,
183.551


 100, 49.477,
183.551


 71, 49.477,
183.551

 61, 49.477,
183.551

 51, 49.477,
183.551

 41, 49.477,
183.551

 31, 49.477,
183.551

 21, 49.477,
183.551

 11, 49.477,

183.551

■ 1, 49.477, 183.551

■ 0, 49.477, 183.551

■ 81, 49.477,
183.551

■ 81, 49.477,
183.551

■ 81, 49.666,
183.358

■ 81, 48.208,
184.627

■ 81, 46.108,
185.622

■ 82, 43.043,
186.542

■ 83, 38.988,
187.405

■ 83, 33.982,

188.228

■ 84, 28.114,
189.026

■ 85, 21.503,
189.810

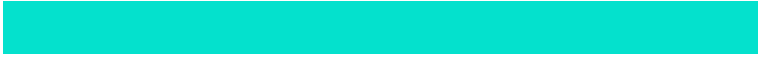
■ 87, 14.284,
190.589

■ 88, 6.593, 191.396

Harmonies

Complementary

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



81, 49.477, 183.551



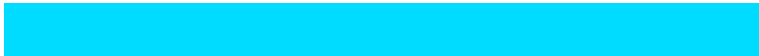
47, 90.365, 36.259

Rectangle

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



81, 49.477, 183.551



81, 49.477, 233.551



81, 49.477, 3.551



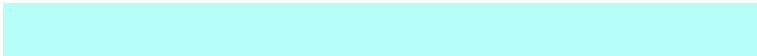
81, 49.477, 53.551

Sweetspot

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



81, 49.477, 183.550



95, 24.346, 189.734



79, 108.053, 135.636



50, 16.465, 189.398



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, 49.477, 183.550



90, 54.572, 183.276



55, 53.403, 272.191



46, 4.522, 191.293



65, 41.218, 183.551



17, 16.667, 185.494

Inverse Universe

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



47, 90.365, 36.259



53, 100.729, 37.144



56, 80.766, 52.983



44, 4.753, 12.635



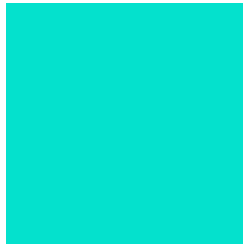
36, 75.358, 36.165



6, 25.360, 17.129

Previews

White Background



This preview shows how the CIE LCh color 81, 49.477, 183.551 looks on a white background.

Color Contrast Check

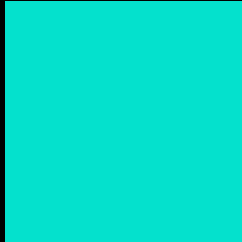
Large Text (above 18pt) WCAG AA × Fail

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, 49.477, 183.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

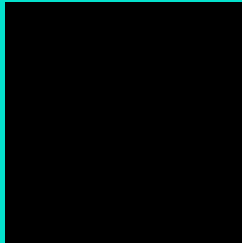
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 49.477, 183.551

Background



This preview shows how black text looks on a background with the CIELCh color 81, 49.477, 183.551.

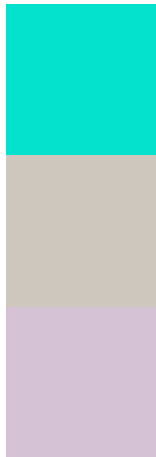


This preview shows how white text looks on a background with the CIELCh color 81, 49.477, 183.551.

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

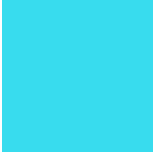
81, 49.426, 183.542

Protanopia

80, 5.255, 84.444

Deuteranopia

80, 11.843, 326.359



Tritanopia
81, 40.320, 210.769

Trichromacy



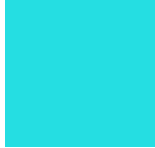
Original Color
81, 49.426, 183.542



Protanomaly
79, 26.735, 182.310



Deuteranomaly
78, 22.145, 204.850



Tritanomaly
81, 43.136, 199.402

Monochromacy



Original Color
81, 49.426, 183.542



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 26.825, 188.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 49.477, 183.551 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(4, 225, 205)` looks like.

```
.text, #text, p{  
    color:rgb(4, 225, 205)  
}
```

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(4, 225, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 225, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 49.477, 183.551 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(4, 225, 205) }
```

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

```
.border{ border-color:rgb(4, 225, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 225, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 225, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 225, 205);  
box-shadow:4px 4px 4px 4px rgb(4, 225,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 49.477, 183.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 225, 205) }
```

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

```
.background{ background-color: rgb(4, 225,  
205) }
```

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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