

Converting Colors

CIELCh(81, 49.525, 196.420)

Have a look what the booklet for
CIELCh(81, 49.525, 196.420)
contains.

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Color

CIELCh(81, 45.451, 197.079)

Conversions

Conversions Part 1

Format	Color
Hex	00E0E1
RGB	0, 224, 225
RGB Percent	0%, 88%, 88%
CMY	1.0000, 0.1230, 0.1190
CMYK	1.00, 0.00, 0.00, 0.12
HSL	180°, 100%, 44%
HSV	180°, 100%, 88%
XYZ	39.9880, 58.4711, 80.1586
YIQ	157.1380, -133.8250, -47.1770

Conversions

Conversions Part 2

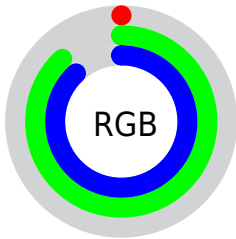
Format	Color
RYB	0, 112, 225
Decimal	57569
CIELab	81.00, -43.45, -13.35
CIELCh	81, 45.451, 197.079
Yxy	58.4711, 0.2239, 0.3274
Android (android.graphics.Color)	4278247649 (0xFF00E0E1)
YUV	157.1380, 33.4560, -137.8100
Hunter-Lab	76.4664, -40.4699, -8.6264

Details

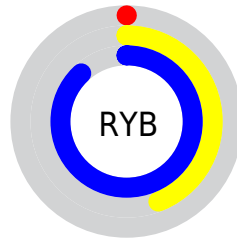
The CIELCh color **81, 45.451, 197.079** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 94.966, 40.037**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **62, 36.375, 198.214** is the 20% darker color. If you saturate the color by 10%, you get **81, 45.239, 197.094**, and if you desaturate by 10%, it is **81, 44.609, 197.074**.

Distribution



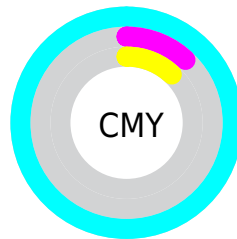
- Red (0%)
- Green (88%)
- Blue (88%)



- Red (0%)
- Yellow (44%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 45.451, 197.079 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, 45.451, 197.079 by changing the saturation by 10% instead.

■ 81, 45.451,
197.079

■ 81, 45.451,
197.079

■ 100, 45.451,
197.079

■ 71, 45.451,
197.079

■ 61, 45.451,
197.079

■ 51, 45.451,
197.079

■ 41, 45.451,
197.079

■ 31, 45.451,
197.079

■ 21, 45.451,
197.079

■ 11, 45.451,

197.079

■ 1, 45.451, 197.079

■ 0, 45.451, 197.079

■ 81, 45.451,
197.079

■ 81, 45.451,
197.079

■ 81, 45.239,
197.094

■ 81, 44.609,
197.074

■ 81, 43.231,
197.108

■ 82, 40.905,
197.213

■ 82, 37.577,
197.390

■ 83, 33.258,

197.641

■ 84, 28.012,
197.962

■ 85, 21.939,
198.351

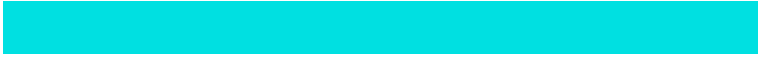
■ 86, 15.159,
198.804

■ 88, 7.803, 199.331

Harmonies

Complementary

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



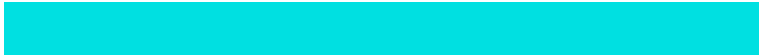
81, 45.451, 197.079



47, 94.966, 40.037

Rectangle

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



81, 45.451, 197.079



81, 45.451, 247.079



81, 45.451, 17.079



81, 45.451, 67.079

Sweetspot

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



81, 45.239, 197.094



95, 24.294, 198.342



78, 108.839, 136.016



50, 16.287, 198.170



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, 45.239, 197.094



91, 49.784, 197.099



48, 66.462, 284.688



46, 4.433, 199.364



65, 37.694, 197.083



17, 15.500, 196.969

Inverse Universe

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



53, 104.637, 328.415



60, 115.151, 328.416



60, 77.662, 60.073



44, 8.129, 325.060



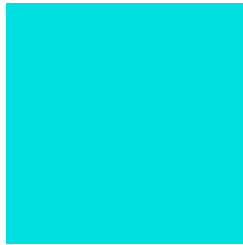
42, 87.182, 328.412



8, 35.818, 328.378

Previews

White Background



This preview shows how the CIE LCh color 81, 45.451, 197.079 looks on a white background.

Color Contrast Check

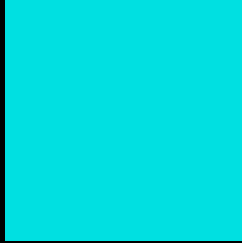
Large Text (above 18pt) WCAG AA × Fail

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, 45.451, 197.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

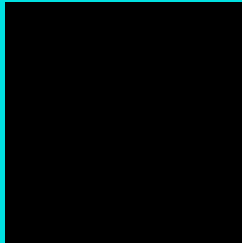
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 45.451, 197.079

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.451, 197.079.

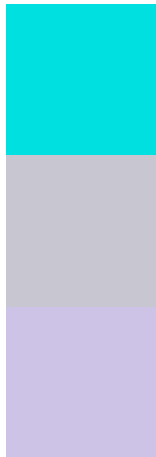


This preview shows how white text looks on a background with the CIELCh color 81, 45.451, 197.079.

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

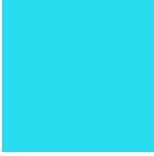
81, 45.298, 197.082

Protanopia

80, 5.917, 297.667

Deuteranopia

81, 19.493, 300.972

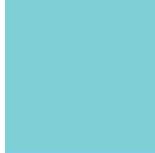


Tritanopia
81, 41.812, 210.172

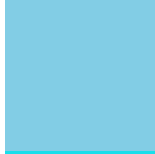
Trichromacy



Original Color
81, 45.298, 197.082



Protanomaly
78, 25.313, 207.494



Deuteranomaly
78, 25.693, 228.244

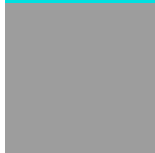


Tritanomaly
81, 43.089, 205.243

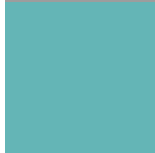
Monochromacy



Original Color
81, 45.298, 197.082



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 25.802, 198.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.451, 197.079 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(0, 224, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 225)  
}
```

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(0, 224, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.451, 197.079 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(0, 224, 225) }
```

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

```
.border{ border-color:rgb(0, 224, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.451, 197.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 225) }
```

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

```
.background{ background-color: rgb(0, 224,  
225) }
```

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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