

Converting Colors

CIELCh(81, 48.726, 193.223)

Have a look what the booklet for
CIELCh(81, 48.726, 193.223)
contains.

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Color

CIELCh(81, 46.384, 192.990)

Conversions

Conversions Part 1

Format	Color
Hex	00E0DB
RGB	0, 224, 219
RGB Percent	0%, 88%, 86%
CMY	1.0000, 0.1210, 0.1406
CMYK	1.00, 0.00, 0.02, 0.12
HSL	179°, 100%, 44%
HSV	179°, 100%, 88%
XYZ	39.4301, 58.4711, 76.3299
YIQ	156.4540, -131.8990, -49.0430

Conversions

Conversions Part 2

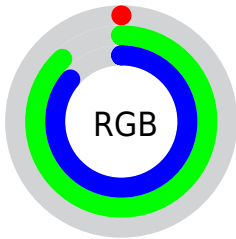
Format	Color
RYB	0, 113, 224
Decimal	57563
CIELab	81.00, -45.20, -10.43
CIELCh	81, 46.384, 192.990
Yxy	58.4711, 0.2263, 0.3356
Android (android.graphics.Color)	4278247643 (0xFF00E0DB)
YUV	156.4540, 30.8352, -137.2102
Hunter-Lab	76.4664, -41.7722, -5.6577

Details

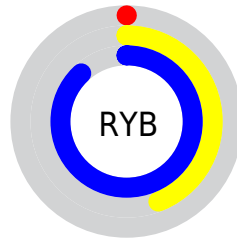
The CIELCh color **81, 46.384, 192.990** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 93.936, 39.284**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **62, 37.336, 192.822** is the 20% darker color. If you saturate the color by 10%, you get **81, 46.251, 192.988**, and if you desaturate by 10%, it is **81, 45.498, 193.322**.

Distribution



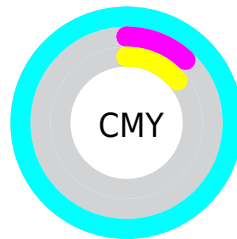
- Red (0%)
- Green (88%)
- Blue (86%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 46.384, 192.990 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, 46.384, 192.990 by changing the saturation by 10% instead.


 81, 46.384,
192.990


 81, 46.384,
192.990


 100, 46.384,
192.990


 71, 46.384,
192.990

 61, 46.384,
192.990

 51, 46.384,
192.990

 41, 46.384,
192.990

 31, 46.384,
192.990

 21, 46.384,
192.990

 11, 46.384,

192.990

■ 1, 46.384, 192.990

■ 0, 46.384, 192.990

■ 81, 46.384,
192.990

■ 81, 46.384,
192.990

■ 81, 46.251,
192.988

■ 81, 45.498,
193.322

■ 81, 43.993,
193.666

■ 82, 41.537,
194.033

■ 82, 38.082,
194.430

■ 83, 33.642,

194.864

■ 84, 28.286,
195.337

■ 85, 22.116,
195.853

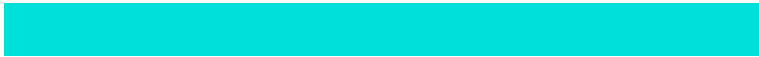
■ 86, 15.258,
196.410

■ 88, 7.843, 197.025

Harmonies

Complementary

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



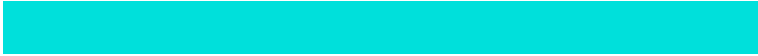
81, 46.384, 192.990



47, 93.936, 39.284

Rectangle

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



81, 46.384, 192.990



81, 46.384, 242.990



81, 46.384, 12.990



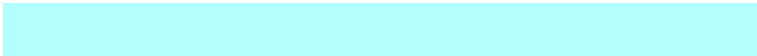
81, 46.384, 62.990

Sweetspot

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



81, 46.251, 192.988



95, 24.536, 195.841



78, 108.491, 135.907



50, 16.461, 195.618



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, 46.251, 192.988



91, 50.993, 192.964



50, 61.975, 281.236



46, 4.464, 197.063



65, 38.588, 193.041



17, 15.805, 193.578

Inverse Universe

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



47, 93.936, 39.284



53, 103.703, 39.390



58, 78.720, 57.415



44, 4.727, 18.133



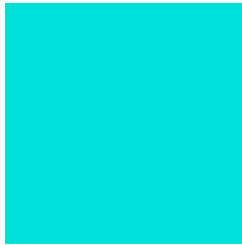
36, 78.138, 39.040



6, 25.487, 20.006

Previews

White Background



This preview shows how the CIE LCh color 81, 46.384, 192.990 looks on a white background.

Color Contrast Check

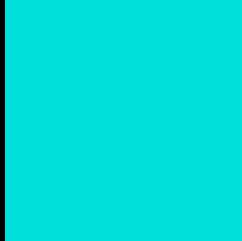
Large Text (above 18pt) WCAG AA × Fail

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, 46.384, 192.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

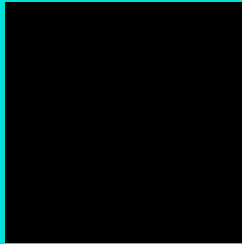
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

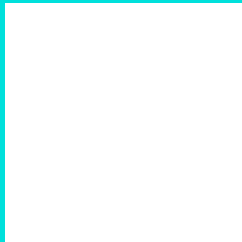
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 46.384, 192.990

Background



This preview shows how black text looks on a background with the CIELCh color 81, 46.384, 192.990.

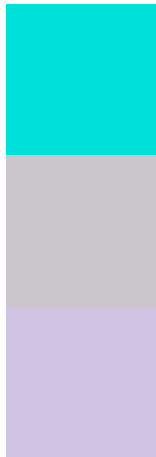


This preview shows how white text looks on a background with the CIELCh color 81, 46.384, 192.990.

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](#).

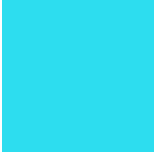
Dichromacy



Original Color
81, 46.233, 192.976

Protanopia
80, 3.533, 314.740

Deuteranopia
80, 17.725, 306.455



Tritanopia
81, 41.447, 210.314

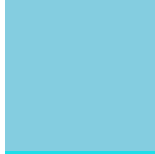
Trichromacy



Original Color
81, 46.233, 192.976



Protanomaly
79, 25.222, 200.071

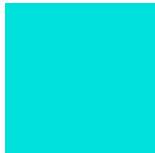


Deuteranomaly
78, 24.406, 222.781

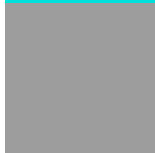


Tritanomaly
81, 43.038, 203.787

Monochromacy



Original Color
81, 46.233, 192.976



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 25.994, 196.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 46.384, 192.990 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 46.384, 192.990 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, 219) }
```

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

```
.border{ border-color:rgb(0, 224, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 46.384, 192.990 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, 219) }
```

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

```
.background{ background-color: rgb(0, 224,  
219) }
```

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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