

Converting Colors

CIELCh(80, 44.608, 197.601)

Have a look what the booklet for
CIELCh(80, 44.608, 197.601)
contains.

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Color

CIELCh(80, 44.500, 197.810)

Conversions

Conversions Part 1

Format	Color
Hex	04DCDE
RGB	4, 220, 222
RGB Percent	2%, 86%, 87%
CMY	0.9837, 0.1359, 0.1281
CMYK	0.98, 0.01, 0.00, 0.13
HSL	181°, 96%, 44%
HSV	181°, 98%, 87%
XYZ	38.9623, 56.6813, 78.2278
YIQ	155.6440, -129.3780, -45.1700

Conversions

Conversions Part 2

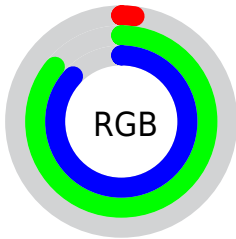
Format	Color
RYB	4, 112, 222
Decimal	318686
CIELab	80.00, -42.37, -13.61
CIELCh	80, 44.500, 197.810
Yxy	56.6813, 0.2241, 0.3260
Android (android.graphics.Color)	4278508766 (0xFF04DCDE)
YUV	155.6440, 32.7135, -132.9918
Hunter-Lab	75.2870, -39.3755, -8.9051

Details

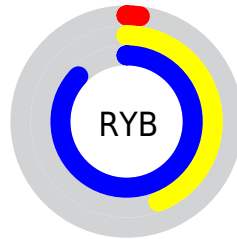
The CIELCh color **80, 44.500, 197.810** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **47, 93.149, 39.626**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **61, 35.596, 199.201** is the 20% darker color. If you saturate the color by 10%, you get **80, 44.591, 197.827**, and if you desaturate by 10%, it is **80, 43.804, 197.732**.

Distribution



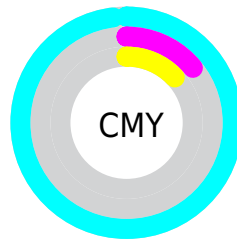
- Red (2%)
- Green (86%)
- Blue (87%)



- Red (2%)
- Yellow (44%)
- Blue (87%)



- Cyan (98%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (98%)
- Magenta (14%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 44.500, 197.810 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 80, 44.500, 197.810 by changing the saturation by 10% instead.


 80, 44.500,
197.810


 80, 44.500,
197.810


 100, 44.500,
197.810


 70, 44.500,
197.810

 60, 44.500,
197.810

 50, 44.500,
197.810

 40, 44.500,
197.810

 30, 44.500,
197.810

 20, 44.500,
197.810

 10, 44.500,

197.810

■ 0, 44.500, 197.810

■ 80, 44.500,
197.810

■ 80, 44.500,
197.810

■ 80, 44.591,
197.827

■ 80, 43.804,
197.732

■ 80, 42.290,
197.725

■ 81, 39.820,
197.797

■ 82, 36.355,
197.951

■ 82, 31.919,
198.183

■ 83, 26.582,
198.492

■ 84, 20.448,
198.870

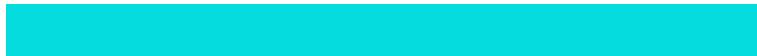
■ 86, 13.642,
199.315

■ 87, 6.290, 199.848

Harmonies

Complementary

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



80, 44.500, 197.810



47, 93.149, 39.626

Rectangle

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



80, 44.500, 197.810



80, 44.500, 247.810



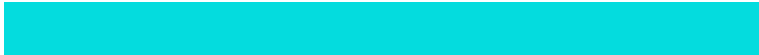
80, 44.500, 17.810



80, 44.500, 67.810

Sweetspot

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



80, 44.499, 197.809



95, 23.463, 198.825



78, 107.585, 136.075



50, 15.822, 198.658



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 44.499, 197.809



90, 49.452, 197.838



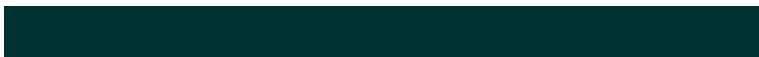
48, 64.643, 283.846



46, 4.412, 199.769



65, 37.449, 197.804



17, 15.415, 197.571

Inverse Universe

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



53, 103.126, 328.586



60, 114.728, 328.605



59, 76.141, 60.586



44, 8.104, 325.184



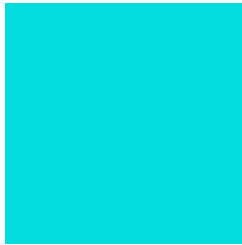
42, 86.869, 328.597



8, 35.708, 328.532

Previews

White Background



This preview shows how the CIE LCh color 80, 44.500, 197.810 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 80, 44.500, 197.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

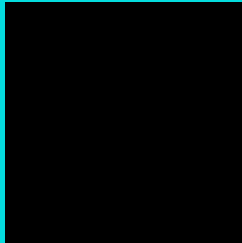
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 44.500, 197.810

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.500, 197.810.

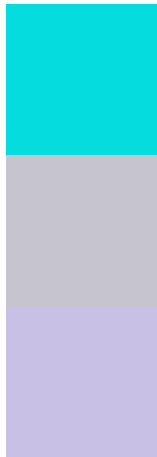


This preview shows how white text looks on a background with the CIELCh color 80, 44.500, 197.810.

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

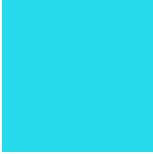
80, 44.450, 197.815

Protanopia

80, 5.891, 294.205

Deuteranopia

79, 20.075, 300.772

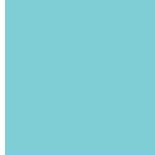


Tritanopia
80, 41.469, 210.319

Trichromacy



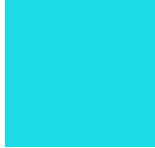
Original Color
80, 44.450, 197.815



Protanomaly
78, 24.805, 207.737



Deuteranomaly
78, 25.464, 230.092



Tritanomaly
80, 42.570, 205.378

Monochromacy



Original Color
80, 44.450, 197.815



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 25.046, 198.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.500, 197.810 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, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(4, 220, 222)  
}
```

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, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 220, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.500, 197.810 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, 220, 222) }
```

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

```
.border{ border-color:rgb(4, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(4, 220,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.500, 197.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 220, 222) }
```

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

```
.background{ background-color: rgb(4, 220,  
222) }
```

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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