

Converting Colors

CIELCh(78, 44.179, 195.227)

Have a look what the booklet for
CIELCh(78, 44.179, 195.227)
contains.

CIELCh(78, 44.311, 194.956)	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(78, 44.311, 194.956)

Conversions

Conversions Part 1

Format	Color
Hex	00D7D5
RGB	0, 215, 213
RGB Percent	0%, 84%, 84%
CMY	1.0000, 0.1582, 0.1660
CMYK	1.00, 0.00, 0.01, 0.16
HSL	179°, 100%, 42%
HSV	179°, 100%, 84%
XYZ	36.1791, 53.2120, 71.0891
YIQ	150.4870, -127.4980, -46.2020

Conversions

Conversions Part 2

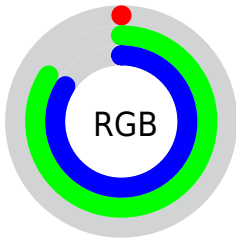
Format	Color
RYB	0, 108, 215
Decimal	55253
CIELab	78.00, -42.81, -11.44
CIELCh	78, 44.311, 194.956
Yxy	53.2120, 0.2254, 0.3316
Android (android.graphics.Color)	4278245333 (0xFF00D7D5)
YUV	150.4870, 30.8189, -131.9771
Hunter-Lab	72.9466, -39.1263, -6.7177

Details

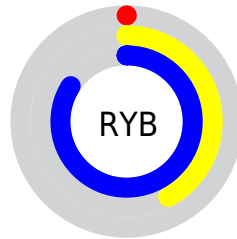
The CIELCh color **78, 44.311, 194.956** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 91.425, 39.680**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **59, 35.365, 195.437** is the 20% darker color. If you saturate the color by 10%, you get **78, 44.310, 194.955**, and if you desaturate by 10%, it is **78, 43.616, 195.122**.

Distribution



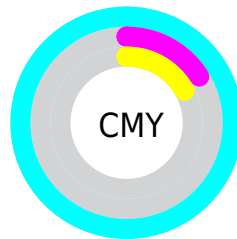
- Red (0%)
- Green (84%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 44.311, 194.956 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 78, 44.311, 194.956 by changing the saturation by 10% instead.

 78, 44.311,
194.956

 78, 44.311,
194.956

 100, 44.311,
194.956

 68, 44.311,
194.956


 98, 44.311,
194.956


 58, 44.311,
194.956

 48, 44.311,
194.956

 38, 44.311,
194.956

 28, 44.311,
194.956

 18, 44.311,
194.956

 8, 44.311, 194.956

0, 44.311, 194.956

78, 44.311,
194.956

78, 44.311,
194.956

78, 44.310,
194.955

78, 43.616,
195.122

78, 42.203,
195.320

79, 39.875,
195.562

79, 36.584,
195.855

80, 32.343,
196.202

81, 27.214,
196.603

■ 82, 21.294,
197.058

■ 83, 14.701,
197.565

■ 84, 7.562, 198.138

Harmonies

Complementary

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



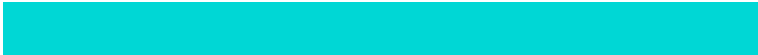
78, 44.311, 194.956



45, 91.425, 39.680

Rectangle

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



78, 44.311, 194.956



78, 44.311, 244.956



78, 44.311, 14.956



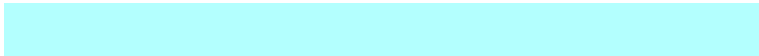
78, 44.311, 64.956

Sweetspot

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



78, 44.310, 194.955



95, 24.459, 197.044



75, 105.097, 135.959



50, 16.403, 196.844



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 44.310, 194.955



91, 50.464, 194.941



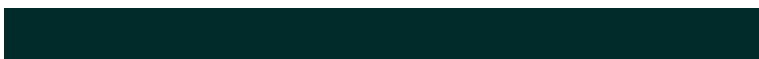
47, 61.922, 282.878



44, 4.291, 198.175



63, 37.374, 194.977



15, 14.638, 195.233

Inverse Universe

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



45, 91.425, 39.680



53, 104.203, 39.742



56, 75.559, 58.833



42, 4.549, 19.176



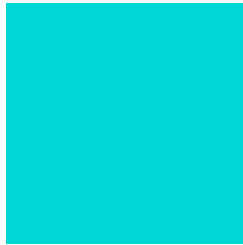
35, 76.952, 39.522



5, 21.992, 19.353

Previews

White Background



This preview shows how the CIE LCh color 78, 44.311, 194.956 looks on a white background.

Color Contrast Check

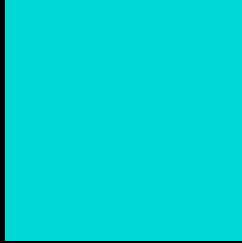
Large Text (above 18pt) WCAG AA × Fail

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 78, 44.311, 194.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

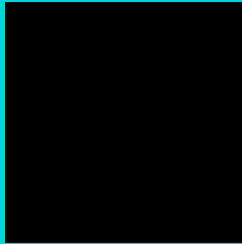
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

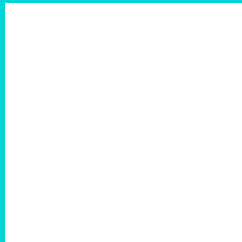
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 44.311, 194.956

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.311, 194.956.

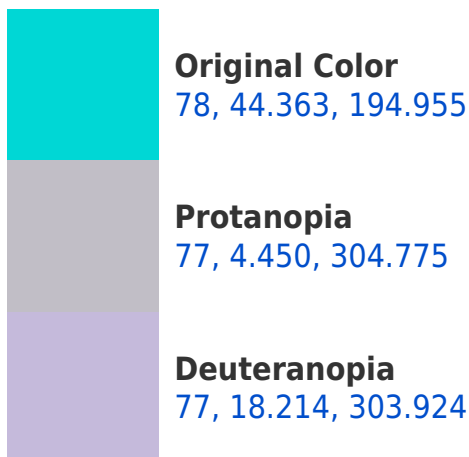


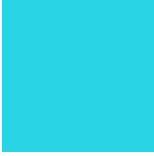
This preview shows how white text looks on a background with the CIELCh color 78, 44.311, 194.956.

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



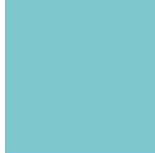


Tritanopia
78, 40.311, 210.007

Trichromacy



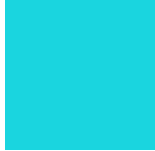
Original Color
78, 44.363, 194.955



Protanomaly
76, 24.352, 202.767



Deuteranomaly
75, 24.274, 226.046



Tritanomaly
78, 41.761, 204.068

Monochromacy



Original Color
78, 44.363, 194.955



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 25.475, 196.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 44.311, 194.956 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, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 213)  
}
```

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, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 44.311, 194.956 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, 215, 213) }
```

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

```
.border{ border-color:rgb(0, 215, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 44.311, 194.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 213) }
```

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

```
.background{ background-color: rgb(0, 215,  
213) }
```

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