

Converting Colors

CIELCh(78, 44.371, 195.194)

Have a look what the booklet for
CIELCh(78, 44.371, 195.194)
contains.

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Color

CIELCh(78, 44.363, 194.955)

Conversions

Conversions Part 1

Format	Color
Hex	00D7D5
RGB	0, 215, 213
RGB Percent	0%, 84%, 84%
CMY	1.0000, 0.1581, 0.1659
CMYK	1.00, 0.00, 0.01, 0.16
HSL	179°, 100%, 42%
HSV	179°, 100%, 84%
XYZ	36.1640, 53.2120, 71.1047
YIQ	150.4870, -127.4980, -46.2020

Conversions

Conversions Part 2

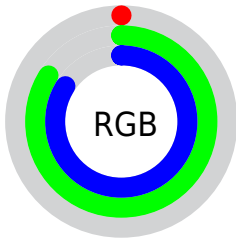
Format	Color
RYB	0, 108, 215
Decimal	55253
CIELab	78.00, -42.86, -11.45
CIELCh	78, 44.363, 194.955
Yxy	53.2120, 0.2253, 0.3316
Android (android.graphics.Color)	4278245333 (0xFF00D7D5)
YUV	150.4870, 30.8189, -131.9771
Hunter-Lab	72.9466, -39.1632, -6.7304

Details

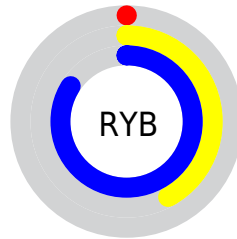
The CIELCh color **78, 44.363, 194.955** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 91.432, 39.680**, and the grayscale version is **62, 0.008, 296.813**.

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, 44.313, 194.956**, and if you desaturate by 10%, it is **78, 43.619, 195.122**.

Distribution



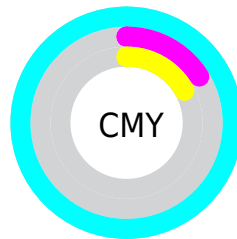
- Red (0%)
- Green (84%)
- Blue (84%)



- 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, 44.363, 194.955 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, 44.363, 194.955 by changing the saturation by 10% instead.


 78, 44.363,
194.955


 78, 44.363,
194.955


 100, 44.363,
194.955


 68, 44.363,
194.955


 98, 44.363,
194.955

 58, 44.363,
194.955

 48, 44.363,
194.955

 38, 44.363,
194.955

 28, 44.363,
194.955

 18, 44.363,
194.955

 8, 44.363, 194.955

■ 0, 44.363, 194.955

■ 78, 44.363,
194.955

■ 78, 44.363,
194.955

■ 78, 44.313,
194.956

■ 78, 43.619,
195.122

■ 78, 42.206,
195.320

■ 79, 39.878,
195.563

■ 79, 36.587,
195.855

■ 80, 32.346,
196.202

■ 81, 27.216,
196.603

■ 82, 21.296,
197.058

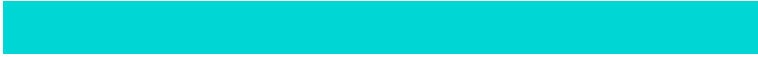
■ 83, 14.703,
197.565

■ 84, 7.563, 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.



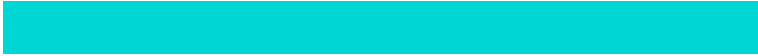
78, 44.363, 194.955



45, 91.432, 39.680

Rectangle

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



78, 44.363, 194.955



78, 44.363, 244.955



78, 44.363, 14.955



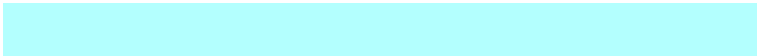
78, 44.363, 64.955

Sweetspot

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



78, 44.313, 194.956



95, 24.459, 197.044



75, 105.105, 135.959



50, 16.403, 196.845



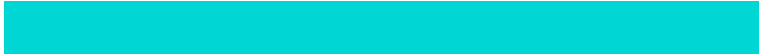
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 44.313, 194.956



91, 50.463, 194.942



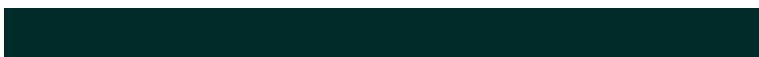
47, 61.928, 282.879



44, 4.291, 198.175



63, 37.374, 194.978



15, 14.638, 195.233

Inverse Universe

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



45, 91.432, 39.680



53, 104.203, 39.742



56, 75.565, 58.833



42, 4.549, 19.177



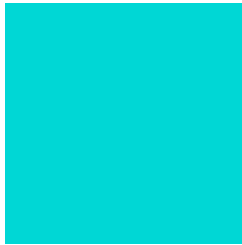
35, 76.952, 39.522



5, 21.992, 19.353

Previews

White Background



This preview shows how the CIELCh color 78, 44.363, 194.955 looks on a white background.

Color Contrast Check

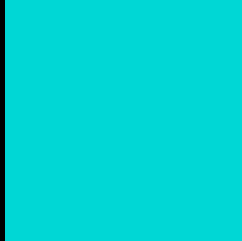
Large Text (above 18pt) WCAG AA × Fail

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, 44.363, 194.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

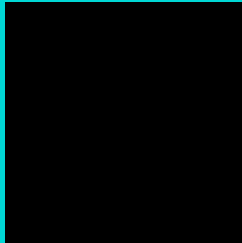
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

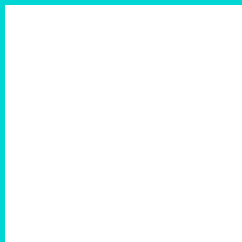
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 44.363, 194.955

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.363, 194.955.



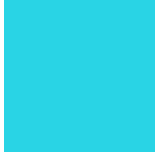
This preview shows how white text looks on a background with the CIELCh color 78, 44.363, 194.955.

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



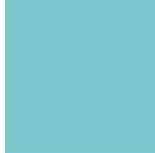


Tritanopia
78, 40.311, 210.007

Trichromacy



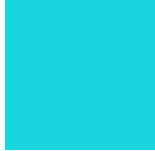
Original Color
78, 44.363, 194.955



Protanomaly
76, 24.352, 202.767



Deuteranomaly
76, 24.335, 224.478

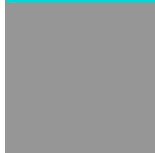


Tritanomaly
78, 41.761, 204.068

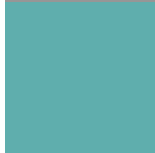
Monochromacy



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, 44.363, 194.955 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, 44.363, 194.955 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, 44.363, 194.955 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](#).

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