

Converting Colors

CIELCh(75, 67.694, 193.528)

Have a look what the booklet for
CIELCh(75, 67.694, 193.528)
contains.

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Color

CIELCh(78, 44.523, 194.246)

Conversions

Conversions Part 1

Format	Color
Hex	00D7D4
RGB	0, 215, 212
RGB Percent	0%, 84%, 83%
CMY	1.0000, 0.1578, 0.1695
CMYK	1.00, 0.00, 0.01, 0.16
HSL	179°, 100%, 42%
HSV	179°, 100%, 84%
XYZ	36.0762, 53.2120, 70.5018
YIQ	150.3730, -127.1770, -46.5130

Conversions

Conversions Part 2

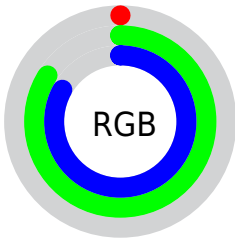
Format	Color
RYB	0, 108, 215
Decimal	55252
CIELab	78.00, -43.15, -10.96
CIELCh	78, 44.523, 194.246
Yxy	53.2120, 0.2258, 0.3330
Android (android.graphics.Color)	4278245332 (0xFF00D7D4)
YUV	150.3730, 30.3821, -131.8771
Hunter-Lab	72.9466, -39.3781, -6.2403

Details

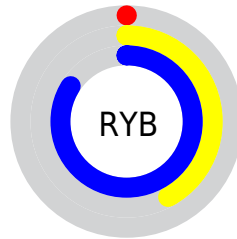
The CIELCh color **78, 44.523, 194.246** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 91.262, 39.522**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **59, 35.365, 195.437** is the 20% darker color. If you saturate the color by 10%, you get **78, 44.487, 194.246**, and if you desaturate by 10%, it is **78, 43.773, 194.473**.

Distribution



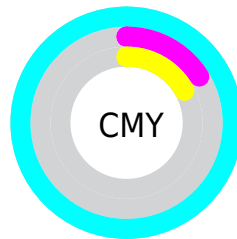
- Red (0%)
- Green (84%)
- Blue (83%)



- 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, 44.523, 194.246 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, 44.523, 194.246 by changing the saturation by 10% instead.

 78, 44.523,
194.246

 78, 44.523,
194.246

 100, 44.523,
194.246

 68, 44.523,
194.246

 98, 44.523,
194.246

 58, 44.523,
194.246

 48, 44.523,
194.246

 38, 44.523,
194.246

 28, 44.523,
194.246

 18, 44.523,
194.246

 8, 44.523, 194.246

■ 0, 44.523, 194.246

■ 78, 44.523,
194.246

■ 78, 44.523,
194.246

■ 78, 44.487,
194.246

■ 78, 43.773,
194.473

■ 78, 42.339,
194.724

■ 79, 39.989,
195.012

■ 79, 36.676,
195.342

■ 80, 32.412,
195.721

■ 81, 27.263,
196.148

■ 82, 21.325,
196.625

■ 83, 14.718,
197.150

■ 84, 7.569, 197.738

Harmonies

Complementary

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



78, 44.523, 194.246



45, 91.262, 39.522

Rectangle

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



78, 44.523, 194.246



78, 44.523, 244.246



78, 44.523, 14.246



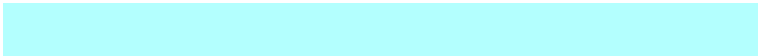
78, 44.523, 64.246

Sweetspot

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



78, 44.487, 194.246



95, 24.486, 196.610



75, 105.136, 135.959



50, 16.423, 196.402



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, 44.487, 194.246



91, 50.648, 194.225



47, 61.947, 282.880



44, 4.293, 197.775



63, 37.507, 194.278



15, 14.680, 194.660

Inverse Universe

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



45, 91.262, 39.522



53, 104.021, 39.615



56, 75.588, 58.832



42, 4.548, 18.799



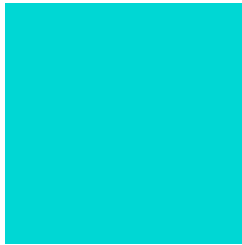
35, 76.755, 39.332



5, 21.988, 19.145

Previews

White Background



This preview shows how the CIE LCh color 78, 44.523, 194.246 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, 44.523, 194.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

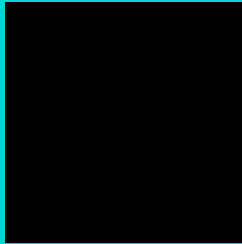
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

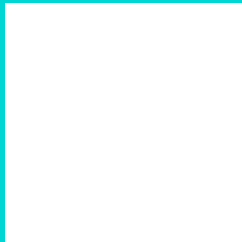
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 44.523, 194.246

Background



This preview shows how black text looks on a background with the CIELCh color 78, 44.523, 194.246.

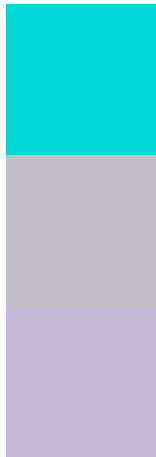


This preview shows how white text looks on a background with the CIELCh color 78, 44.523, 194.246.

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

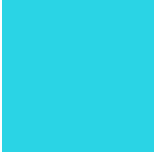
78, 44.523, 194.246

Protanopia

77, 3.933, 306.678

Deuteranopia

77, 17.691, 304.270

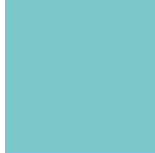


Tritanopia
78, 40.235, 210.037

Trichromacy



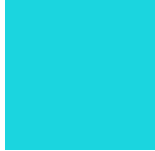
Original Color
78, 44.523, 194.246



Protanomaly
76, 24.395, 201.464



Deuteranomaly
75, 24.107, 224.787

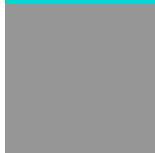


Tritanomaly
78, 41.710, 204.080

Monochromacy



Original Color
78, 44.523, 194.246



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 25.590, 194.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 44.523, 194.246 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 44.523, 194.246 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, 212) }
```

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

```
.border{ border-color:rgb(0, 215, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 44.523, 194.246 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, 212) }
```

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

```
.background{ background-color: rgb(0, 215,  
212) }
```

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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