

Converting Colors

CIELCh(77, 43.660, 196.368)

Have a look what the booklet for
CIELCh(77, 43.660, 196.368)
contains.

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Color

CIELCh(77, 43.747, 195.659)

Conversions

Conversions Part 1

Format	Color
Hex	00D4D3
RGB	0, 212, 211
RGB Percent	0%, 83%, 83%
CMY	1.0000, 0.1703, 0.1742
CMYK	1.00, 0.00, 0.00, 0.17
HSL	180°, 100%, 41%
HSV	180°, 100%, 83%
XYZ	35.1045, 51.5317, 69.4402
YIQ	148.4980, -126.0310, -45.2550

Conversions

Conversions Part 2

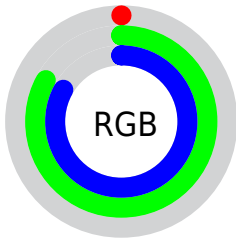
Format	Color
RYB	0, 106, 212
Decimal	54483
CIELab	77.00, -42.12, -11.81
CIELCh	77, 43.747, 195.659
Yxy	51.5317, 0.2249, 0.3302
Android (android.graphics.Color)	4278244563 (0xFF00D4D3)
YUV	148.4980, 30.8135, -130.2327
Hunter-Lab	71.7856, -38.3349, -7.1029

Details

The CIELCh color **77, 43.747, 195.659** 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 **44, 90.626, 39.835**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **59, 34.881, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.678, 195.661**, and if you desaturate by 10%, it is **77, 43.002, 195.768**.

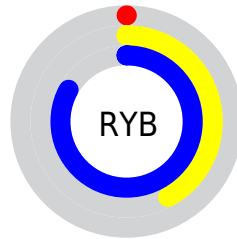
Distribution



Red (0%)

Green (83%)

Blue (83%)



Red (0%)

Yellow (42%)

Blue (83%)

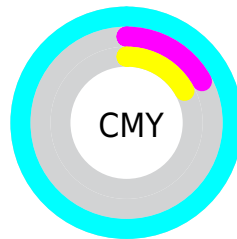


Cyan (100%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (100%)


Magenta (17%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 43.747, 195.659 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 77, 43.747, 195.659 by changing the saturation by 10% instead.


 77, 43.747,
195.659

 77, 43.747,
195.659


 100, 43.747,
195.659


 67, 43.747,
195.659


 97, 43.747,
195.659

 57, 43.747,
195.659

 47, 43.747,
195.659

 37, 43.747,
195.659

 27, 43.747,
195.659

 17, 43.747,
195.659

 7, 43.747, 195.659

■ 0, 43.747, 195.659

■ 77, 43.747,
195.659

■ 77, 43.747,
195.659

■ 77, 43.678,
195.661

■ 77, 43.002,
195.768

■ 77, 41.619,
195.913

■ 78, 39.332,
196.110

■ 78, 36.095,
196.365

■ 79, 31.918,
196.680

■ 80, 26.863,
197.055

■ 81, 21.025,
197.488

■ 82, 14.520,
197.977

■ 83, 7.470, 198.534

Harmonies

Complementary

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



77, 43.747, 195.659



44, 90.626, 39.835

Rectangle

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



77, 43.747, 195.659



77, 43.747, 245.659



77, 43.747, 15.659



77, 43.747, 65.659

Sweetspot

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



77, 43.678, 195.661



95, 24.434, 197.473



74, 103.955, 135.958



50, 16.384, 197.282



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 43.678, 195.661



91, 50.288, 195.654



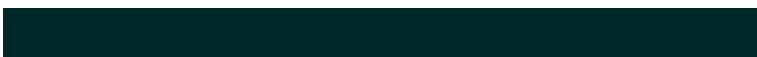
47, 61.197, 282.834



43, 4.205, 198.572



62, 36.835, 195.673



14, 14.076, 195.811

Inverse Universe

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



44, 90.626, 39.835



53, 104.386, 39.869



56, 74.724, 58.870



41, 4.459, 19.547



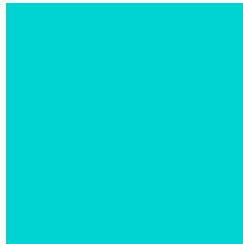
35, 76.258, 39.674



4, 20.017, 19.247

Previews

White Background



This preview shows how the CIELCh color 77, 43.747, 195.659 looks on a white background.

Color Contrast Check

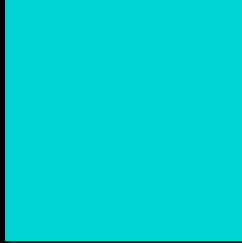
Large Text (above 18pt) WCAG AA × Fail

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 77, 43.747, 195.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

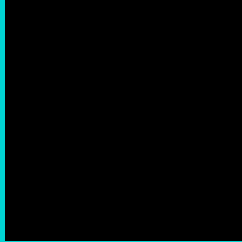
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

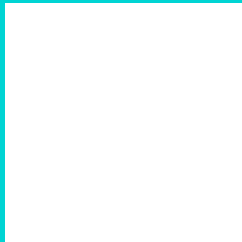
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 43.747, 195.659

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.747, 195.659.

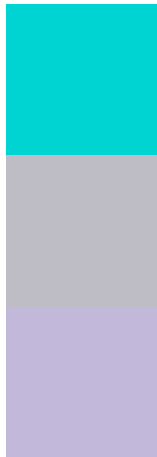


This preview shows how white text looks on a background with the CIELCh color 77, 43.747, 195.659.

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

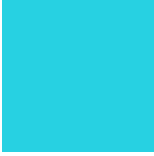
77, 43.747, 195.659

Protanopia

77, 4.379, 300.156

Deuteranopia

77, 18.177, 302.848

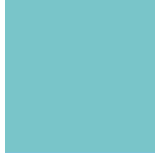


Tritanopia
77, 39.972, 210.156

Trichromacy



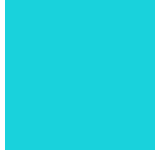
Original Color
77, 43.747, 195.659



Protanomaly
75, 24.355, 202.764



Deuteranomaly
75, 24.277, 226.095

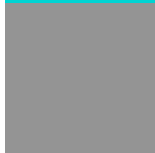


Tritanomaly
77, 41.332, 204.167

Monochromacy



Original Color
77, 43.747, 195.659



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.863, 197.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 43.747, 195.659 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, 212, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 211)  
}
```

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, 212, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.747, 195.659 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, 212, 211) }
```

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

```
.border{ border-color:rgb(0, 212, 211) }
```

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

Here you see how a box with a 4 pixel rgb(0, 212, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.747, 195.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 211) }
```

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

```
.background{ background-color: rgb(0, 212,  
211) }
```

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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