

Converting Colors

CIELCh(77, 44.176, 185.681)

Have a look what the booklet for
CIELCh(77, 44.176, 185.681)
contains.

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Color

CIELCh(77, 44.176, 185.681)

Conversions

Conversions Part 1

Format	Color
Hex	2CD4C5
RGB	44, 212, 197
RGB Percent	17%, 83%, 77%
CMY	0.8289, 0.1694, 0.2282
CMYK	0.79, 0.00, 0.07, 0.17
HSL	175°, 66%, 50%
HSV	175°, 79%, 83%
XYZ	34.5684, 51.5317, 60.8263
YIQ	160.0580, -95.3130, -40.2810

Conversions

Conversions Part 2

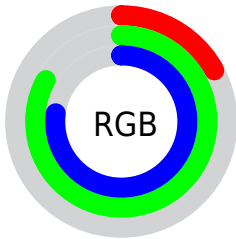
Format	Color
R_{YB}	44, 132, 212
Decimal	2938053
CIE Lab	77.00, -43.96, -4.37
CIE LCh	77, 44.176, 185.681
Yxy	51.5317, 0.2353, 0.3507
Android (android.graphics.Color)	4281128133 (0xFF2CD4C5)
YUV	160.0580, 18.2124, -101.7829
Hunter-Lab	71.7856, -39.6681, 0.0115

Details

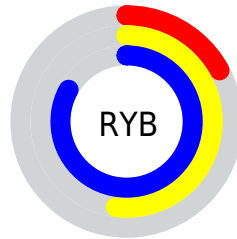
The CIELCh color **77, 44.176, 185.681** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 72.420, 28.013**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.594, 196.276**, and **58, 37.398, 184.583** is the 20% darker color. If you saturate the color by 10%, you get **77, 46.089, 184.692**, and if you desaturate by 10%, it is **77, 41.353, 186.593**.

Distribution



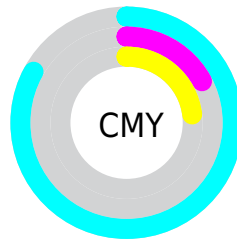
- Red (17%)
- Green (83%)
- Blue (77%)



- Red (17%)
- Yellow (52%)
- Blue (83%)



- Cyan (79%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.176, 185.681 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, 44.176, 185.681 by changing the saturation by 10% instead.

 77, 44.176,
185.681

 77, 44.176,
185.681


 100, 44.176,
185.681


 67, 44.176,
185.681


 97, 44.176,
185.681

 57, 44.176,
185.681

 47, 44.176,
185.681

 37, 44.176,
185.681

 27, 44.176,
185.681

 17, 44.176,
185.681

 7, 44.176, 185.681

■ 0, 44.176, 185.681

■ 77, 44.176,
185.681

■ 77, 44.176,
185.681

■ 77, 46.089,
184.692

■ 77, 41.353,
186.593

■ 77, 47.261,
183.630

■ 78, 37.592,
187.451

■ 77, 47.324,
183.566

■ 79, 32.924,
188.268

■ 80, 27.428,
189.060

■ 81, 21.215,
189.837

■ 82, 14.411,
190.610

■ 83, 7.144, 191.404

■ 85, 0.465, 10.866

■ 87, 8.308, 12.750

Harmonies

Complementary

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



77, 44.176, 185.681



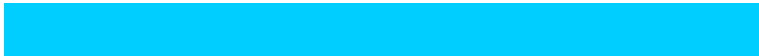
47, 72.420, 28.013

Rectangle

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



77, 44.176, 185.681



77, 44.176, 235.681



77, 44.176, 5.681



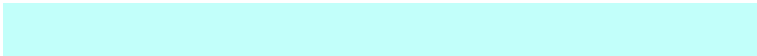
77, 44.176, 55.681

Sweetspot

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



77, 44.176, 185.680



96, 20.451, 190.235



75, 94.541, 135.990



51, 13.899, 189.957



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, 44.176, 185.680



91, 53.954, 183.993



57, 42.830, 262.923



44, 4.352, 191.402



63, 40.267, 183.739



15, 15.522, 185.893

Inverse Universe

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



47, 72.420, 28.013



54, 97.522, 35.313



58, 63.435, 56.356



42, 4.573, 12.730



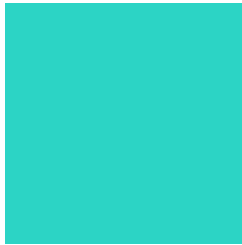
35, 73.703, 36.128



5, 21.965, 15.790

Previews

White Background



This preview shows how the CIELCh color 77, 44.176, 185.681 looks on a white background.

Color Contrast Check

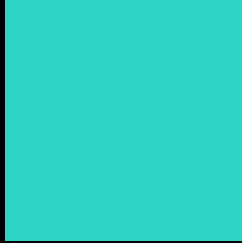
Large Text (above 18pt) WCAG AA × Fail

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, 44.176, 185.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

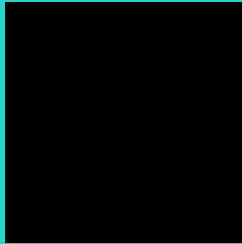
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

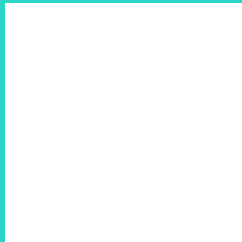
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.176, 185.681

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.176, 185.681.

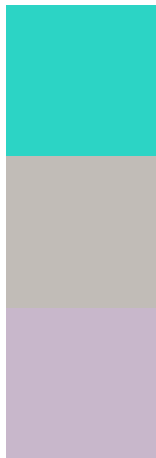


This preview shows how white text looks on a background with the CIELCh color 77, 44.176, 185.681.

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

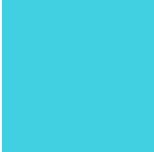
77, 44.176, 185.681

Protanopia

77, 3.253, 74.687

Deuteranopia

76, 12.468, 320.719



Tritanopia
77, 37.382, 211.264

Trichromacy



Original Color
77, 44.176, 185.681



Protanomaly
75, 20.655, 184.178



Deuteranomaly
75, 17.164, 212.891

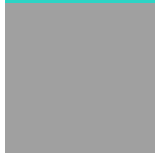


Tritanomaly
77, 38.904, 201.527

Monochromacy



Original Color
77, 44.176, 185.681



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 21.221, 188.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.176, 185.681 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(44, 212, 197)` looks like.

```
.text, #text, p{  
    color:rgb(44, 212, 197)  
}
```

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(44, 212, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 212, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.176, 185.681 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(44, 212, 197) }
```

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

```
.border{ border-color:rgb(44, 212, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 212, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 212, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 212, 197);  
box-shadow:4px 4px 4px 4px rgb(44, 212,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.176, 185.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 212, 197) }
```

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

```
.background{ background-color: rgb(44, 212,  
197) }
```

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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