

Converting Colors

CIELCh(73, 73.603, 196.938)

Have a look what the booklet for
CIELCh(73, 73.603, 196.938)
contains.

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Color

CIELCh(77, 42.679, 200.868)

Conversions

Conversions Part 1

Format	Color
Hex	00D3D9
RGB	0, 211, 217
RGB Percent	0%, 83%, 85%
CMY	1.0000, 0.1730, 0.1495
CMYK	1.00, 0.03, 0.00, 0.15
HSL	182°, 100%, 43%
HSV	182°, 100%, 85%
XYZ	35.7674, 51.5317, 73.6302
YIQ	148.5950, -127.6820, -42.8660

Conversions

Conversions Part 2

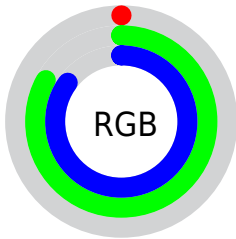
Format	Color
RYB	0, 107, 217
Decimal	54233
CIELab	77.00, -39.88, -15.20
CIELCh	77, 42.679, 200.868
Yxy	51.5317, 0.2223, 0.3202
Android (android.graphics.Color)	4278244313 (0xFF00D3D9)
YUV	148.5950, 33.7237, -130.3178
Hunter-Lab	71.7856, -36.6867, -10.5636

Details

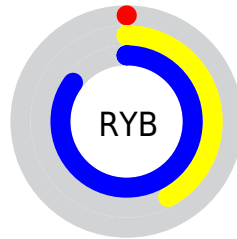
The CIELCh color **77, 42.679, 200.868** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 92.187, 40.238**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **58, 33.949, 202.349** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.662, 200.870**, and if you desaturate by 10%, it is **77, 42.153, 200.509**.

Distribution



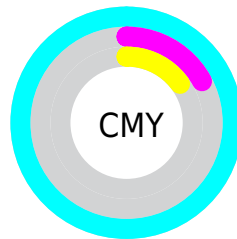
- Red (0%)
- Green (83%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 42.679, 200.868 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, 42.679, 200.868 by changing the saturation by 10% instead.

 77, 42.679,
200.868

 77, 42.679,
200.868

 100, 42.679,
200.868

 67, 42.679,
200.868

 97, 42.679,
200.868

 57, 42.679,
200.868

 47, 42.679,
200.868

 37, 42.679,
200.868

 27, 42.679,
200.868

 17, 42.679,
200.868

 7, 42.679, 200.868

■ 0, 42.679, 200.868

■ 77, 42.679,
200.868

■ 77, 42.679,
200.868

■ 77, 42.662,
200.870

■ 77, 42.153,
200.509

■ 78, 40.917,
200.250

■ 78, 38.759,
200.109

■ 79, 35.631,
200.083

■ 80, 31.550,
200.165

■ 81, 26.581,
200.346

■ 82, 20.821,
200.615

■ 83, 14.389,
200.966

■ 85, 7.409, 201.404

Harmonies

Complementary

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



77, 42.679, 200.868



45, 92.187, 40.238

Rectangle

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



77, 42.679, 200.868



77, 42.679, 250.868



77, 42.679, 20.868



77, 42.679, 70.868

Sweetspot

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



77, 42.662, 200.870



95, 23.717, 200.607



76, 105.713, 136.127



50, 15.898, 200.483



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, 42.662, 200.870



89, 48.192, 200.913



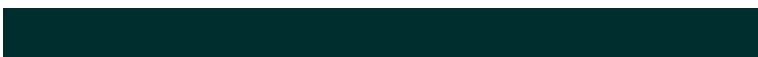
46, 66.784, 286.167



45, 4.250, 201.433



63, 36.123, 200.799



16, 14.600, 200.013

Inverse Universe

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



51, 100.059, 329.374



60, 113.043, 329.385



58, 75.090, 61.553



43, 7.852, 325.688



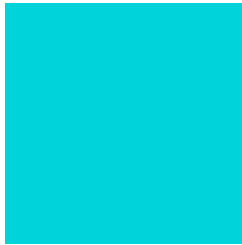
41, 84.703, 329.356



7, 33.901, 329.092

Previews

White Background



This preview shows how the CIELCh color 77, 42.679, 200.868 looks on a white background.

Color Contrast Check

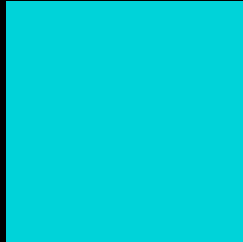
Large Text (above 18pt) WCAG AA × Fail

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, 42.679, 200.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

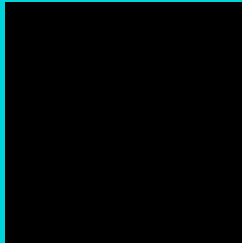
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

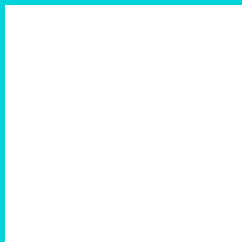
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 42.679, 200.868

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.679, 200.868.

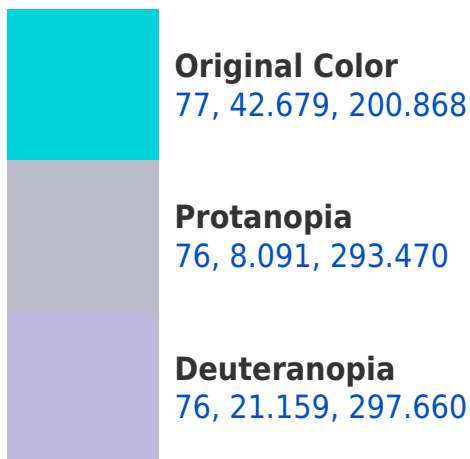


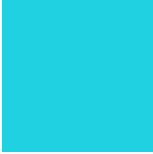
This preview shows how white text looks on a background with the CIELCh color 77, 42.679, 200.868.

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



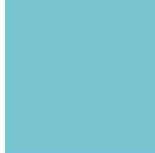


Tritanopia
77, 40.436, 209.971

Trichromacy



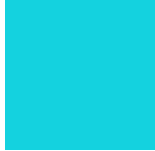
Original Color
77, 42.679, 200.868



Protanomaly
75, 24.378, 211.960

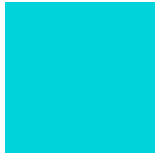


Deuteranomaly
75, 25.908, 232.630



Tritanomaly
77, 41.358, 206.483

Monochromacy



Original Color
77, 42.679, 200.868



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.696, 199.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.679, 200.868 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, 211, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 217)  
}
```

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, 211, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.679, 200.868 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, 211, 217) }
```

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

```
.border{ border-color:rgb(0, 211, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.679, 200.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 217) }
```

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

```
.background{ background-color: rgb(0, 211,  
217) }
```

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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