

Converting Colors

CIELCh(75, 53.643, 170.678)

Have a look what the booklet for
CIELCh(75, 53.643, 170.678)
contains.

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Color

CIELCh(75, 53.689, 170.581)

Conversions

Conversions Part 1

Format	Color
Hex	00D1A7
RGB	0, 209, 167
RGB Percent	0%, 82%, 65%
CMY	1.0000, 0.1812, 0.3458
CMYK	1.00, 0.00, 0.20, 0.18
HSL	168°, 100%, 41%
HSV	168°, 100%, 82%
XYZ	29.6954, 48.2781, 44.2206
YIQ	141.7210, -111.0820, -57.3700

Conversions

Conversions Part 2

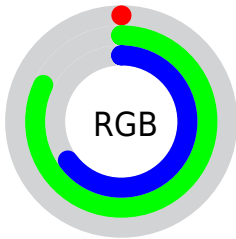
Format	Color
RYB	0, 116, 209
Decimal	53671
CIELab	75.00, -52.97, 8.79
CIELCh	75, 53.689, 170.581
Yxy	48.2781, 0.2430, 0.3951
Android (android.graphics.Color)	4278243751 (0xFF00D1A7)
YUV	141.7210, 12.4625, -124.2893
Hunter-Lab	69.4824, -45.3071, 10.9039

Details

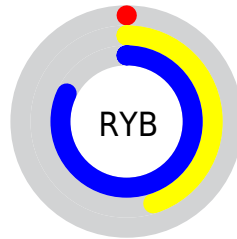
The CIELCh color **75, 53.689, 170.581** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **44, 80.214, 29.859**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.019, 175.484**, and **56, 44.967, 166.549** is the 20% darker color. If you saturate the color by 10%, you get **75, 53.660, 170.568**, and if you desaturate by 10%, it is **75, 51.596, 172.384**.

Distribution



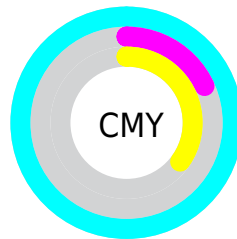
- Red (0%)
- Green (82%)
- Blue (65%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 53.689, 170.581 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 75, 53.689, 170.581 by changing the saturation by 10% instead.


 75, 53.689,
170.581


 75, 53.689,
170.581


 100, 53.689,
170.581


 65, 53.689,
170.581


 95, 53.689,
170.581

 55, 53.689,
170.581

 45, 53.689,
170.581

 35, 53.689,
170.581

 25, 53.689,
170.581

 15, 53.689,
170.581

 5, 53.689, 170.581

0, 53.689, 170.581

75, 53.689,
170.581

75, 53.689,
170.581

75, 53.660,
170.568

75, 51.596,
172.384

76, 48.850,
174.065

76, 45.239,
175.579

77, 40.741,
176.944

77, 35.403,
178.185

78, 29.317,
179.323

■ 79, 22.602,
180.381

■ 81, 15.393,
181.378

■ 82, 7.817, 182.344

Harmonies

Complementary

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



75, 53.689, 170.581



44, 80.214, 29.859

Rectangle

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



75, 53.689, 170.581



75, 53.689, 220.581



75, 53.689, 350.581



75, 53.689, 40.581

Sweetspot

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



75, 53.660, 170.568



95, 26.560, 180.346



74, 100.981, 134.528



50, 17.922, 179.902



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 53.660, 170.568



90, 62.576, 170.334



58, 41.206, 253.392



43, 4.444, 182.401



62, 45.528, 170.874



14, 16.581, 174.984

Inverse Universe

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



44, 80.214, 29.859



53, 93.838, 30.538



48, 82.288, 46.391



41, 4.612, 3.979



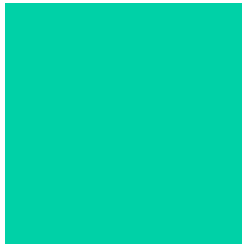
35, 67.787, 28.955



4, 20.215, 10.159

Previews

White Background



This preview shows how the CIE LCh color 75, 53.689, 170.581 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 CIE LCh color 75, 53.689, 170.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

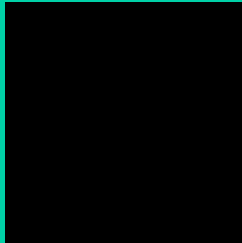
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

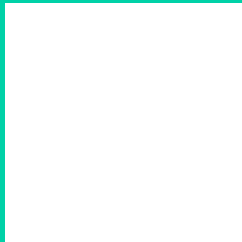
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 53.689, 170.581

Background



This preview shows how black text looks on a background with the CIELCh color 75, 53.689, 170.581.

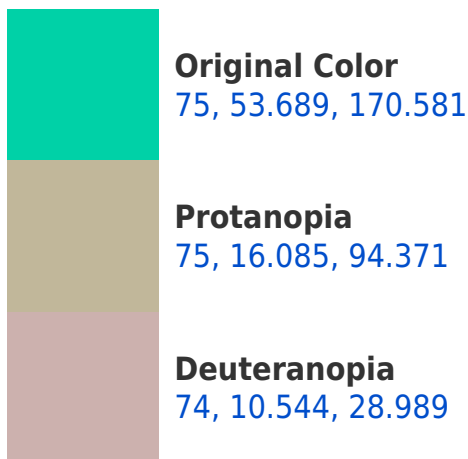


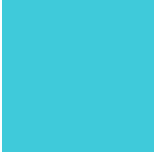
This preview shows how white text looks on a background with the CIELCh color 75, 53.689, 170.581.

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](#).

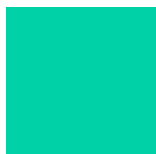
Dichromacy



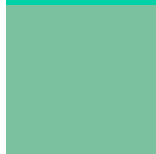


Tritanopia
75, 36.437, 210.839

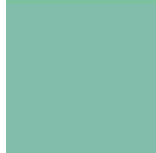
Trichromacy



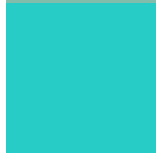
Original Color
75, 53.689, 170.581



Protanomaly
73, 30.693, 161.363

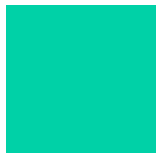


Deuteranomaly
72, 23.184, 172.538



Tritanomaly
75, 41.204, 192.633

Monochromacy



Original Color
75, 53.689, 170.581



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 27.311, 179.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 53.689, 170.581 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, 209, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 167)  
}
```

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, 209, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 53.689, 170.581 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, 209, 167) }
```

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

```
.border{ border-color:rgb(0, 209, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 53.689, 170.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 167) }
```

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

```
.background{ background-color: rgb(0, 209,  
167) }
```

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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