

Converting Colors

CIELCh(76, 49.435, 178.737)

Have a look what the booklet for
CIELCh(76, 49.435, 178.737)
contains.

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Color

CIELCh(76, 49.354, 178.670)

Conversions

Conversions Part 1

Format	Color
Hex	00D3B8
RGB	0, 211, 184
RGB Percent	0%, 83%, 72%
CMY	1.0000, 0.1736, 0.2795
CMYK	1.00, 0.00, 0.13, 0.17
HSL	172°, 100%, 41%
HSV	172°, 100%, 83%
XYZ	31.8280, 49.8872, 53.1504
YIQ	144.8330, -117.0890, -53.1290

Conversions

Conversions Part 2

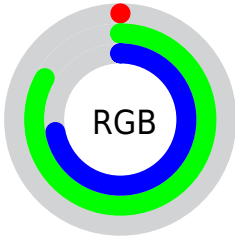
Format	Color
RYB	0, 113, 211
Decimal	54200
CIELab	76.00, -49.34, 1.15
CIELCh	76, 49.354, 178.670
Yxy	49.8872, 0.2360, 0.3699
Android (android.graphics.Color)	4278244280 (0xFF00D3B8)
YUV	144.8330, 19.3093, -127.0185
Hunter-Lab	70.6309, -43.1677, 4.8254

Details

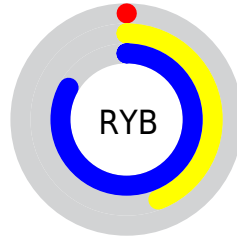
The CIELCh color **76, 49.354, 178.670** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **44, 84.804, 34.740**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.401, 186.332**, and **57, 40.398, 175.910** is the 20% darker color. If you saturate the color by 10%, you get **76, 49.311, 178.657**, and if you desaturate by 10%, it is **76, 47.870, 180.045**.

Distribution



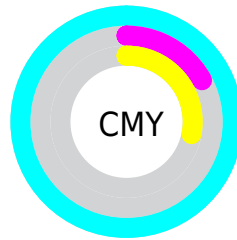
- Red (0%)
- Green (83%)
- Blue (72%)



- Red (0%)
- Yellow (44%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.354, 178.670 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 76, 49.354, 178.670 by changing the saturation by 10% instead.


 76, 49.354,
178.670


 76, 49.354,
178.670


 100, 49.354,
178.670


 66, 49.354,
178.670


 96, 49.354,
178.670

 56, 49.354,
178.670

 46, 49.354,
178.670

 36, 49.354,
178.670

 26, 49.354,
178.670

 16, 49.354,
178.670

 6, 49.354, 178.670

■ 0, 49.354, 178.670

■ 76, 49.354,
178.670

■ 76, 49.354,
178.670

■ 76, 49.311,
178.657

■ 76, 47.870,
180.045

■ 76, 45.726,
181.329

■ 77, 42.688,
182.498

■ 77, 38.728,
183.570

■ 78, 33.881,
184.567

■ 79, 28.230,
185.505

■ 80, 21.889,
186.403

■ 81, 14.985,
187.272

■ 83, 7.647, 188.140

Harmonies

Complementary

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



76, 49.354, 178.670



44, 84.804, 34.740

Rectangle

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



76, 49.354, 178.670



76, 49.354, 228.670



76, 49.354, 358.670



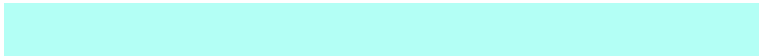
76, 49.354, 48.670

Sweetspot

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



76, 49.311, 178.657



95, 25.528, 186.374



74, 102.822, 135.374



50, 17.184, 185.995



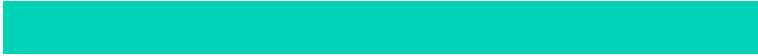
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 49.311, 178.657



90, 57.038, 178.488



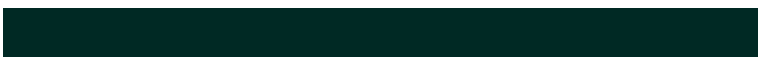
54, 48.061, 267.972



43, 4.316, 188.194



62, 41.614, 178.897



14, 15.464, 181.947

Inverse Universe

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



44, 84.804, 34.740



53, 98.518, 35.275



51, 79.182, 50.701



41, 4.515, 9.631



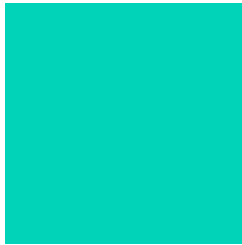
35, 71.112, 33.942



4, 20.088, 13.510

Previews

White Background



This preview shows how the CIELCh color 76, 49.354, 178.670 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 76, 49.354, 178.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

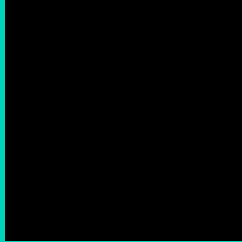
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

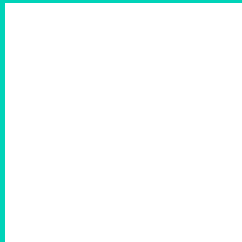
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 49.354, 178.670

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.354, 178.670.

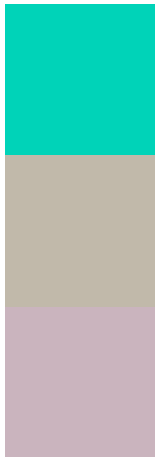


This preview shows how white text looks on a background with the CIELCh color 76, 49.354, 178.670.

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](#).

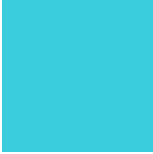
Dichromacy



Original Color
76, 49.354, 178.670

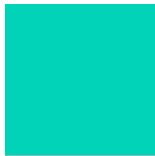
Protanopia
75, 8.613, 88.438

Deuteranopia
75, 9.839, 347.084



Tritanopia
76, 37.665, 211.155

Trichromacy



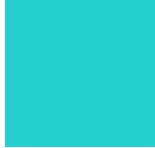
Original Color
76, 49.354, 178.670



Protanomaly
73, 26.725, 174.596

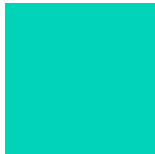


Deuteranomaly
73, 21.006, 193.315



Tritanomaly
76, 41.111, 197.268

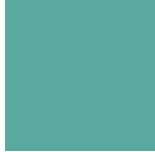
Monochromacy



Original Color
76, 49.354, 178.670



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 26.397, 184.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.354, 178.670 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.354, 178.670 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, 184) }
```

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

```
.border{ border-color:rgb(0, 211, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.354, 178.670 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, 184) }
```

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

```
.background{ background-color: rgb(0, 211,  
184) }
```

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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