

Converting Colors

CIELCh(76, 44.895, 189.255)

Have a look what the booklet for
CIELCh(76, 44.895, 189.255)
contains.

CIELCh(76, 44.840, 189.250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 44.840, 189.250)

Conversions

Conversions Part 1

Format	Color
Hex	04D1C7
RGB	4, 209, 199
RGB Percent	2%, 82%, 78%
CMY	0.9862, 0.1794, 0.2186
CMYK	0.98, 0.00, 0.05, 0.18
HSL	177°, 97%, 42%
HSV	177°, 98%, 82%
XYZ	33.2466, 49.8872, 62.0650
YIQ	146.5650, -118.9700, -46.5700

Conversions

Conversions Part 2

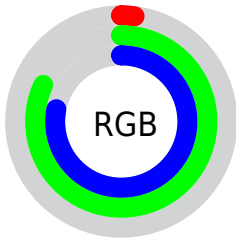
Format	Color
R_{YB}	4, 109, 209
Decimal	315847
CIE _{Lab}	76.00, -44.26, -7.21
CIE _{LCh}	76, 44.840, 189.250
Yxy	49.8872, 0.2290, 0.3436
Android (android.graphics.Color)	4278505927 (0xFF04D1C7)
YUV	146.5650, 25.8505, -125.0295
Hunter-Lab	70.6309, -39.5825, -2.6579

Details

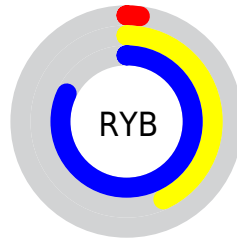
The CIELCh color **76, 44.840, 189.250** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 87.250, 37.936**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **57, 36.120, 187.935** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.972, 189.141**, and if you desaturate by 10%, it is **76, 43.878, 189.893**.

Distribution



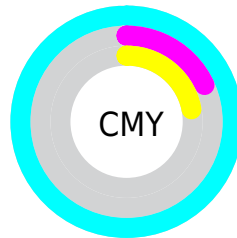
- Red (2%)
- Green (82%)
- Blue (78%)



- Red (2%)
- Yellow (43%)
- Blue (82%)



- Cyan (98%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)





- Cyan (99%)
- Magenta (18%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 44.840, 189.250 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, 44.840, 189.250 by changing the saturation by 10% instead.


 76, 44.840,
189.250


 76, 44.840,
189.250


 100, 44.840,
189.250


 66, 44.840,
189.250


 96, 44.840,
189.250

 56, 44.840,
189.250

 46, 44.840,
189.250

 36, 44.840,
189.250

 26, 44.840,
189.250

 16, 44.840,
189.250

 6, 44.840, 189.250

■ 0, 44.840, 189.250

■ 76, 44.840,
189.250

■ 76, 44.840,
189.250

■ 76, 44.972,
189.141

■ 76, 43.878,
189.893

■ 76, 42.141,
190.510

■ 77, 39.492,
191.108

■ 77, 35.905,
191.702

■ 78, 31.408,
192.301

■ 79, 26.079,
192.912

■ 80, 20.023,
193.542

■ 81, 13.362,
194.196

■ 83, 6.221, 194.899

Harmonies

Complementary

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



76, 44.840, 189.250



44, 87.250, 37.936

Rectangle

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



76, 44.840, 189.250



76, 44.840, 239.250



76, 44.840, 9.250



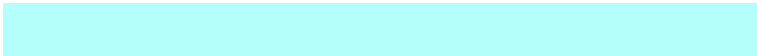
76, 44.840, 59.250

Sweetspot

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



76, 44.840, 189.249



95, 23.985, 193.478



73, 102.554, 135.892



50, 16.199, 193.204



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, 44.840, 189.249



91, 52.229, 189.061



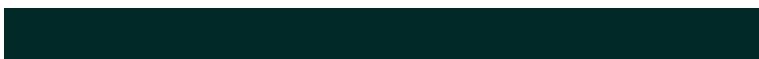
49, 55.739, 278.374



43, 4.229, 194.817



62, 38.214, 189.245



14, 14.487, 190.585

Inverse Universe

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



44, 87.250, 37.936



53, 102.719, 38.677



54, 74.370, 56.692



41, 4.463, 15.990



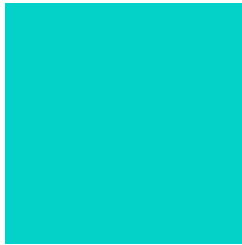
35, 74.454, 37.858



4, 20.022, 17.198

Previews

White Background



This preview shows how the CIELCh color 76, 44.840, 189.250 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, 44.840, 189.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

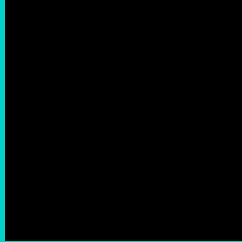
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

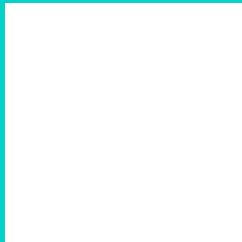
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 44.840, 189.250

Background



This preview shows how black text looks on a background with the CIELCh color 76, 44.840, 189.250.

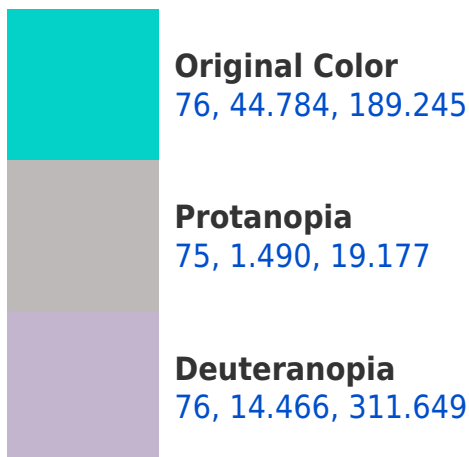


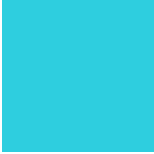
This preview shows how white text looks on a background with the CIELCh color 76, 44.840, 189.250.

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
76, 38.919, 210.604

Trichromacy



Original Color
76, 44.784, 189.245



Protanomaly
74, 23.948, 192.352



Deuteranomaly
74, 21.994, 216.771



Tritanomaly
76, 40.768, 201.955

Monochromacy



Original Color
76, 44.784, 189.245



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.832, 192.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 44.840, 189.250 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(4, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(4, 209, 199)  
}
```

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(4, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 209, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 44.840, 189.250 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(4, 209, 199) }
```

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

```
.border{ border-color:rgb(4, 209, 199) }
```

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

Here you see how a box with a 4 pixel rgb(4, 209, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 209, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 209, 199);  
box-shadow:4px 4px 4px 4px rgb(4, 209,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 44.840, 189.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 209, 199) }
```

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

```
.background{ background-color: rgb(4, 209,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor