

Converting Colors

CIELCh(76, 43.120, 196.460)

Have a look what the booklet for
CIELCh(76, 43.120, 196.460)
contains.

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Color

CIELCh(76, 42.836, 197.132)

Conversions

Conversions Part 1

Format	Color
Hex	02D0D1
RGB	2, 208, 209
RGB Percent	1%, 82%, 82%
CMY	0.9930, 0.1831, 0.1792
CMYK	0.99, 0.00, 0.00, 0.18
HSL	180°, 98%, 41%
HSV	180°, 99%, 82%
XYZ	34.1959, 49.8872, 68.3406
YIQ	146.5200, -123.0970, -43.3610

Conversions

Conversions Part 2

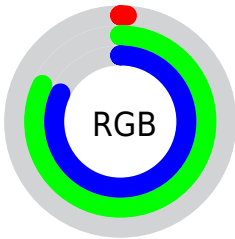
Format	Color
RYB	2, 105, 209
Decimal	184529
CIELab	76.00, -40.94, -12.62
CIELCh	76, 42.836, 197.132
Yxy	49.8872, 0.2243, 0.3273
Android (android.graphics.Color)	4278374609 (0xFF02D0D1)
YUV	146.5200, 30.8026, -126.7440
Hunter-Lab	70.6309, -37.1835, -7.9258

Details

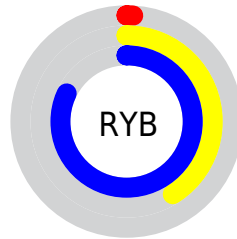
The CIELCh color **76, 42.836, 197.132** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 89.554, 39.819**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **57, 33.934, 198.380** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.881, 197.133**, and if you desaturate by 10%, it is **76, 42.169, 197.113**.

Distribution



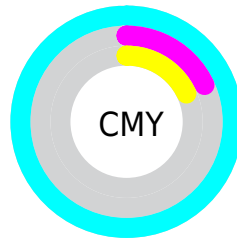
- Red (1%)
- Green (82%)
- Blue (82%)



- Red (1%)
- Yellow (41%)
- Blue (82%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.836, 197.132 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, 42.836, 197.132 by changing the saturation by 10% instead.


 76, 42.836,
197.132


 76, 42.836,
197.132


 100, 42.836,
197.132


 66, 42.836,
197.132


 96, 42.836,
197.132

 56, 42.836,
197.132

 46, 42.836,
197.132

 36, 42.836,
197.132

 26, 42.836,
197.132

 16, 42.836,
197.132

 6, 42.836, 197.132

■ 0, 42.836, 197.132

■ 76, 42.836,
197.132

■ 76, 42.836,
197.132

■ 76, 42.881,
197.133

■ 76, 42.169,
197.113

■ 76, 40.766,
197.152

■ 77, 38.461,
197.261

■ 77, 35.214,
197.444

■ 78, 31.040,
197.700

■ 79, 26.003,
198.025

■ 80, 20.199,
198.418

■ 81, 13.742,
198.873

■ 83, 6.756, 199.407

Harmonies

Complementary

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



76, 42.836, 197.132



44, 89.554, 39.819

Rectangle

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



76, 42.836, 197.132



76, 42.836, 247.132



76, 42.836, 17.132



76, 42.836, 67.132

Sweetspot

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



76, 42.835, 197.131



95, 24.287, 198.368



73, 103.011, 136.045



50, 16.282, 198.196



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, 42.835, 197.131



91, 49.764, 197.142



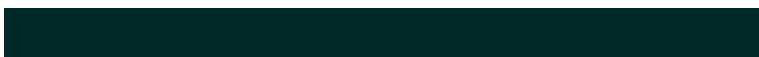
45, 62.201, 284.116



43, 4.183, 199.392



62, 36.462, 197.122



14, 13.961, 196.979

Inverse Universe

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



50, 99.046, 328.418



60, 115.127, 328.427



56, 73.156, 60.458



41, 7.668, 325.063



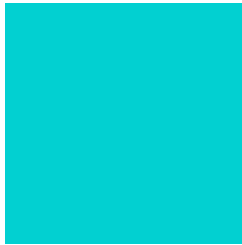
40, 84.346, 328.422



6, 31.001, 327.977

Previews

White Background



This preview shows how the CIE LCh color 76, 42.836, 197.132 looks on a white background.

Color Contrast Check

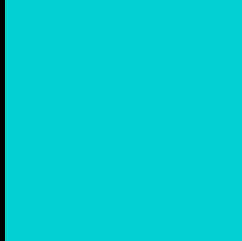
Large Text (above 18pt) WCAG AA × Fail

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, 42.836, 197.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

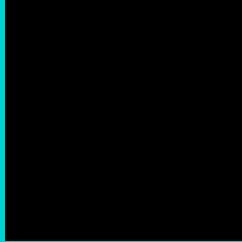
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 42.836, 197.132

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.836, 197.132.

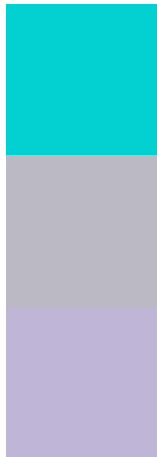


This preview shows how white text looks on a background with the CIELCh color 76, 42.836, 197.132.

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

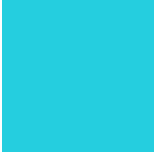
76, 42.782, 197.137

Protanopia

76, 5.458, 298.343

Deuteranopia

75, 18.696, 301.514

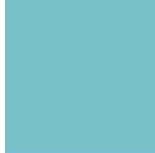


Tritanopia
76, 39.629, 210.309

Trichromacy



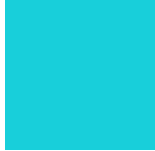
Original Color
76, 42.782, 197.137



Protanomaly
74, 23.520, 207.066



Deuteranomaly
74, 24.014, 228.046

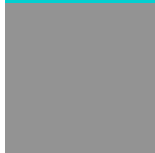


Tritanomaly
76, 40.830, 205.071

Monochromacy



Original Color
76, 42.782, 197.137



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 24.263, 198.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.836, 197.132 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(2, 208, 209)` looks like.

```
.text, #text, p{  
    color:rgb(2, 208, 209)  
}
```

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(2, 208, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 208, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.836, 197.132 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(2, 208, 209) }
```

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

```
.border{ border-color:rgb(2, 208, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 208, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 208, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 208, 209);  
box-shadow:4px 4px 4px 4px rgb(2, 208,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.836, 197.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 208, 209) }
```

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

```
.background{ background-color: rgb(2, 208,  
209) }
```

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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