

Converting Colors

CIELCh(76, 42.390, 200.843)

Have a look what the booklet for
CIELCh(76, 42.390, 200.843)
contains.

CIELCh(76, 42.215, 200.930)	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, 42.215, 200.930)

Conversions

Conversions Part 1

Format	Color
Hex	00D0D6
RGB	0, 208, 214
RGB Percent	0%, 82%, 84%
CMY	1.0000, 0.1848, 0.1613
CMYK	1.00, 0.03, 0.00, 0.16
HSL	182°, 100%, 42%
HSV	182°, 100%, 84%
XYZ	34.6321, 49.8872, 71.3308
YIQ	146.4920, -125.8940, -42.2300

Conversions

Conversions Part 2

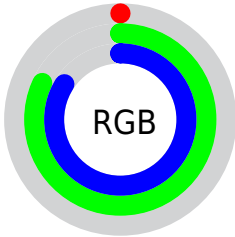
Format	Color
RYB	0, 105, 214
Decimal	53462
CIELab	76.00, -39.43, -15.08
CIELCh	76, 42.215, 200.930
Yxy	49.8872, 0.2222, 0.3201
Android (android.graphics.Color)	4278243542 (0xFF00D0D6)
YUV	146.4920, 33.2814, -128.4735
Hunter-Lab	70.6309, -36.0811, -10.4359

Details

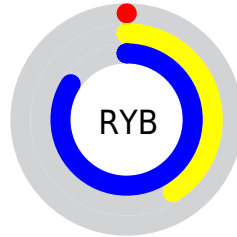
The CIELCh color **76, 42.215, 200.930** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 91.208, 40.246**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **57, 33.459, 202.458** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.194, 200.932**, and if you desaturate by 10%, it is **76, 41.685, 200.567**.

Distribution



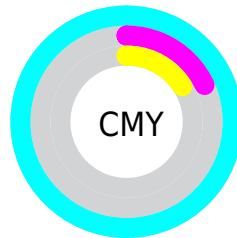
- Red (0%)
- Green (82%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (18%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.215, 200.930 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, 42.215, 200.930 by changing the saturation by 10% instead.


 76, 42.215,
200.930


 76, 42.215,
200.930


 100, 42.215,
200.930


 66, 42.215,
200.930


 96, 42.215,
200.930


 56, 42.215,
200.930

 46, 42.215,
200.930

 36, 42.215,
200.930

 26, 42.215,
200.930

 16, 42.215,
200.930

 6, 42.215, 200.930

0, 42.215, 200.930

76, 42.215,
200.930

76, 42.215,
200.930

76, 42.194,
200.932

76, 41.685,
200.567

77, 40.458,
200.303

77, 38.319,
200.159

78, 35.224,
200.130

79, 31.187,
200.210

80, 26.273,
200.388

■ 81, 20.579,
200.656

■ 82, 14.221,
201.004

■ 84, 7.322, 201.441

Harmonies

Complementary

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



76, 42.215, 200.930



45, 91.208, 40.246

Rectangle

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



76, 42.215, 200.930



76, 42.215, 250.930



76, 42.215, 20.930



76, 42.215, 70.930

Sweetspot

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



76, 42.194, 200.932



95, 23.708, 200.646



75, 104.599, 136.129



50, 15.892, 200.523



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, 42.194, 200.932



89, 48.166, 200.980



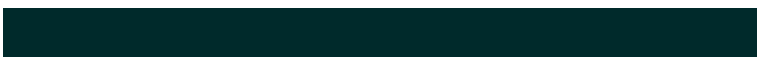
45, 66.026, 286.126



44, 4.167, 201.471



62, 35.712, 200.860



15, 14.101, 200.015

Inverse Universe

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



50, 98.980, 329.390



60, 113.007, 329.402



58, 74.290, 61.588



42, 7.700, 325.697



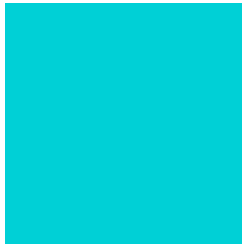
40, 83.756, 329.372



6, 32.291, 328.965

Previews

White Background



This preview shows how the CIE LCh color 76, 42.215, 200.930 looks on a white background.

Color Contrast Check

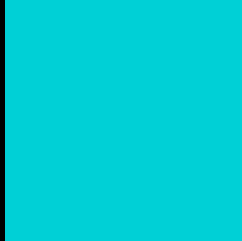
Large Text (above 18pt) WCAG AA × Fail

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, 42.215, 200.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

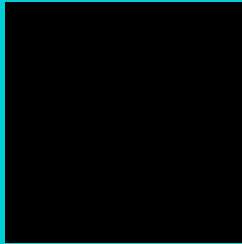
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

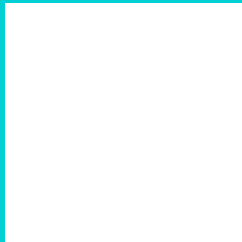
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.215, 200.930

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.215, 200.930.

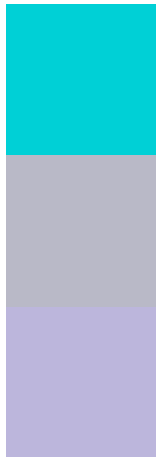


This preview shows how white text looks on a background with the CIELCh color 76, 42.215, 200.930.

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

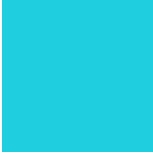
76, 42.215, 200.930

Protanopia

76, 7.555, 290.892

Deuteranopia

76, 20.665, 297.784

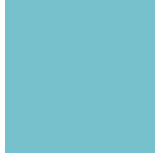


Tritanopia
76, 40.018, 210.151

Trichromacy



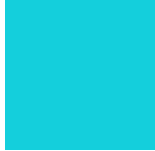
Original Color
76, 42.215, 200.930



Protanomaly
74, 24.128, 212.154

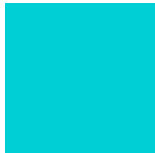


Deuteranomaly
74, 25.505, 233.389

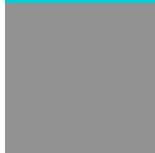


Tritanomaly
76, 40.886, 206.629

Monochromacy



Original Color
76, 42.215, 200.930



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 24.115, 201.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.215, 200.930 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, 208, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 214)  
}
```

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, 208, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.215, 200.930 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, 208, 214) }
```

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

```
.border{ border-color:rgb(0, 208, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.215, 200.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 214) }
```

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

```
.background{ background-color: rgb(0, 208,  
214) }
```

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