

Converting Colors

CIELCh(72, 77.293, 197.050)

Have a look what the booklet for
CIELCh(72, 77.293, 197.050)
contains.

CIELCh(76, 42.265, 201.677)	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, 42.265, 201.677)

Conversions

Conversions Part 1

Format	Color
Hex	00D0D7
RGB	0, 208, 215
RGB Percent	0%, 82%, 84%
CMY	1.0000, 0.1849, 0.1575
CMYK	1.00, 0.03, 0.00, 0.16
HSL	182°, 100%, 42%
HSV	182°, 100%, 84%
XYZ	34.6768, 49.8872, 71.9873
YIQ	146.6060, -126.2150, -41.9190

Conversions

Conversions Part 2

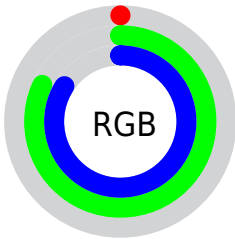
Format	Color
RYB	0, 106, 215
Decimal	53463
CIELab	76.00, -39.28, -15.61
CIELCh	76, 42.265, 201.677
Yxy	49.8872, 0.2215, 0.3187
Android (android.graphics.Color)	4278243543 (0xFF00D0D7)
YUV	146.6060, 33.7182, -128.5735
Hunter-Lab	70.6309, -35.9682, -10.9870

Details

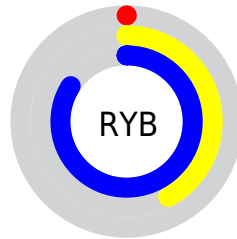
The CIELCh color **76, 42.265, 201.677** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 91.466, 40.284**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **57, 33.363, 203.495** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.085, 201.710**, and if you desaturate by 10%, it is **76, 41.597, 201.271**.

Distribution



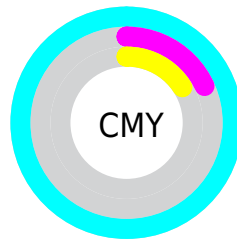
- Red (0%)
- Green (82%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- 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, 42.265, 201.677 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, 42.265, 201.677 by changing the saturation by 10% instead.

 76, 42.265,
201.677


 76, 42.265,
201.677


 100, 42.265,
201.677


 66, 42.265,
201.677


 96, 42.265,
201.677

 56, 42.265,
201.677

 46, 42.265,
201.677

 36, 42.265,
201.677

 26, 42.265,
201.677

 16, 42.265,
201.677

 6, 42.265, 201.677

■ 0, 42.265, 201.677

■ 76, 42.265,
201.677

■ 76, 42.265,
201.677

■ 76, 42.085,
201.710

■ 76, 41.597,
201.271

■ 77, 40.388,
200.945

■ 77, 38.264,
200.749

■ 78, 35.180,
200.677

■ 79, 31.153,
200.721

■ 80, 26.247,
200.871

■ 81, 20.560,
201.114

■ 83, 14.209,
201.442

■ 84, 7.316, 201.860

Harmonies

Complementary

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



76, 42.265, 201.677



45, 91.466, 40.284

Rectangle

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



76, 42.265, 201.677



76, 42.265, 251.677



76, 42.265, 21.677



76, 42.265, 71.677

Sweetspot

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



76, 42.085, 201.710



95, 23.599, 201.105



75, 104.961, 136.128



50, 15.819, 200.992



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, 42.085, 201.710



89, 47.875, 201.764



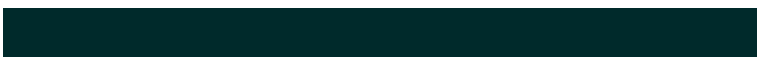
45, 66.272, 286.140



44, 4.148, 201.889



62, 35.501, 201.623



15, 14.031, 200.628

Inverse Universe

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



51, 98.963, 329.585



60, 112.596, 329.599



58, 74.550, 61.576



42, 7.676, 325.823



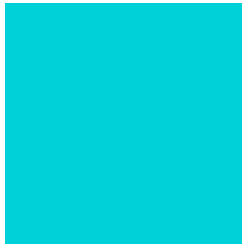
40, 83.459, 329.563



6, 32.184, 329.119

Previews

White Background



This preview shows how the CIE LCh color 76, 42.265, 201.677 looks on a white background.

Color Contrast Check

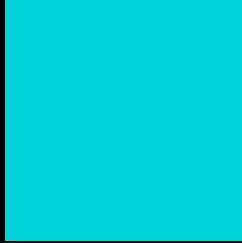
Large Text (above 18pt) WCAG AA × Fail

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, 42.265, 201.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

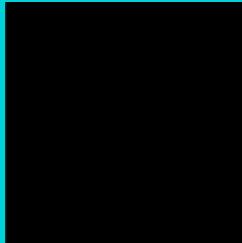
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 42.265, 201.677

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.265, 201.677.

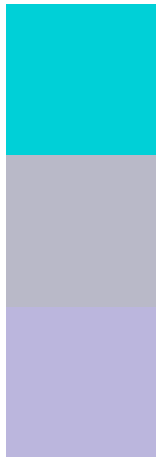


This preview shows how white text looks on a background with the CIELCh color 76, 42.265, 201.677.

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](#).

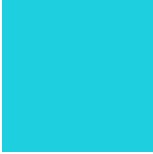
Dichromacy



Original Color
76, 42.110, 201.702

Protanopia
76, 8.094, 290.942

Deuteranopia
76, 21.167, 296.750

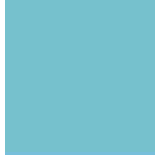


Tritanopia
76, 40.262, 209.239

Trichromacy



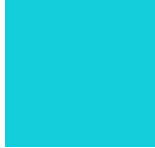
Original Color
76, 42.110, 201.702



Protanomaly
74, 24.180, 213.478



Deuteranomaly
74, 25.943, 234.188



Tritanomaly
76, 40.926, 206.617

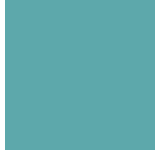
Monochromacy



Original Color
76, 42.110, 201.702



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, 42.265, 201.677 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.265, 201.677 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, 215) }
```

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

```
.border{ border-color:rgb(0, 208, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.265, 201.677 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, 215) }
```

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

```
.background{ background-color: rgb(0, 208,  
215) }
```

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