

Converting Colors

CIELCh(74, 41.173, 201.967)

Have a look what the booklet for
CIELCh(74, 41.173, 201.967)
contains.

CIELCh(74, 41.178, 201.852)	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(74, 41.178, 201.852)

Conversions

Conversions Part 1

Format	Color
Hex	00CAD1
RGB	0, 202, 209
RGB Percent	0%, 79%, 82%
CMY	1.0000, 0.2088, 0.1814
CMYK	1.00, 0.03, 0.00, 0.18
HSL	182°, 100%, 41%
HSV	182°, 100%, 82%
XYZ	32.5206, 46.7039, 67.4587
YIQ	142.4000, -122.6390, -40.6470

Conversions

Conversions Part 2

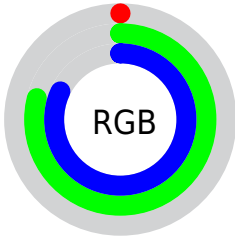
Format	Color
RYB	0, 103, 209
Decimal	51921
CIELab	74.00, -38.22, -15.33
CIELCh	74, 41.178, 201.852
Yxy	46.7039, 0.2217, 0.3184
Android (android.graphics.Color)	4278242001 (0xFF00CAD1)
YUV	142.4000, 32.8338, -124.8848
Hunter-Lab	68.3403, -34.6539, -10.6869

Details

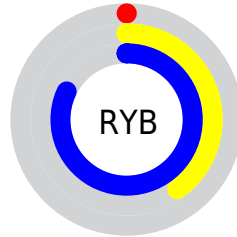
The CIELCh color **74, 41.178, 201.852** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 89.484, 40.303**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **55, 32.295, 204.848** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.139, 201.858**, and if you desaturate by 10%, it is **74, 40.650, 201.409**.

Distribution



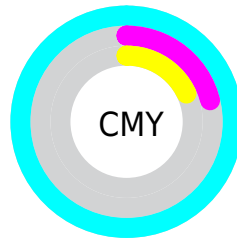
- Red (0%)
- Green (79%)
- Blue (82%)



- Red (0%)
- Yellow (40%)
- Blue (82%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (21%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 41.178, 201.852 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 74, 41.178, 201.852 by changing the saturation by 10% instead.


 74, 41.178,
201.852


 74, 41.178,
201.852


 100, 41.178,
201.852


 64, 41.178,
201.852


 94, 41.178,
201.852

 54, 41.178,
201.852

 44, 41.178,
201.852

 34, 41.178,
201.852

 24, 41.178,
201.852

 14, 41.178,
201.852

 4, 41.178, 201.852

■ 0, 41.178, 201.852

■ 74, 41.178,
201.852

■ 74, 41.178,
201.852

■ 74, 41.139,
201.858

■ 74, 40.650,
201.409

■ 75, 39.460,
201.072

■ 75, 37.377,
200.868

■ 76, 34.357,
200.789

■ 77, 30.418,
200.827

■ 78, 25.624,
200.971

■ 79, 20.070,
201.209

■ 81, 13.869,
201.532

■ 82, 7.141, 201.947

Harmonies

Complementary

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



74, 41.178, 201.852



44, 89.484, 40.303

Rectangle

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



74, 41.178, 201.852



74, 41.178, 251.852



74, 41.178, 21.852



74, 41.178, 71.852

Sweetspot

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



74, 41.139, 201.858



95, 23.577, 201.199



73, 102.419, 136.248



50, 15.804, 201.088



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 41.139, 201.858



89, 47.817, 201.925



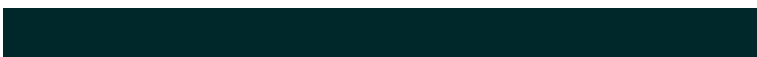
43, 66.898, 287.552



43, 4.063, 201.976



61, 35.069, 201.773



13, 13.524, 200.685

Inverse Universe

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



49, 96.781, 329.622



60, 112.513, 329.639



57, 72.487, 63.078



41, 7.520, 325.848



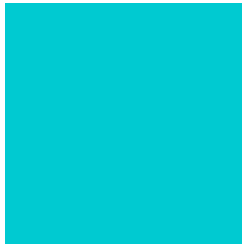
40, 82.480, 329.601



6, 30.332, 328.924

Previews

White Background



This preview shows how the CIELCh color 74, 41.178, 201.852 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 74, 41.178, 201.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

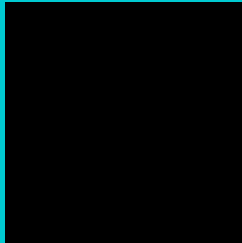
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 41.178, 201.852

Background



This preview shows how black text looks on a background with the CIELCh color 74, 41.178, 201.852.

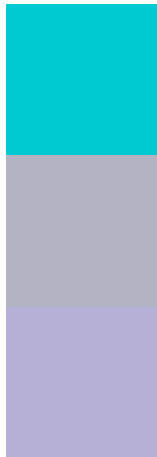


This preview shows how white text looks on a background with the CIELCh color 74, 41.178, 201.852.

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

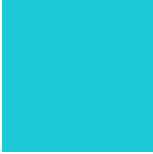
74, 41.178, 201.852

Protanopia

73, 8.699, 293.385

Deuteranopia

73, 20.791, 297.827

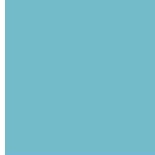


Tritanopia
74, 39.179, 210.526

Trichromacy



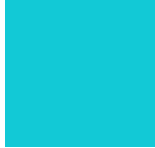
Original Color
74, 41.178, 201.852



Protanomaly
72, 23.505, 215.474



Deuteranomaly
72, 25.110, 234.288



Tritanomaly
74, 40.020, 206.908

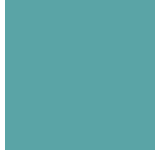
Monochromacy



Original Color
74, 41.178, 201.852



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 23.915, 200.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 41.178, 201.852 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, 202, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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(0, 202, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 41.178, 201.852 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, 202, 209) }
```

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

```
.border{ border-color:rgb(0, 202, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 41.178, 201.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 209) }
```

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

```
.background{ background-color: rgb(0, 202,  
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](#).

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