

Converting Colors

CIELCh(74, 43.071, 204.185)

Have a look what the booklet for
CIELCh(74, 43.071, 204.185)
contains.

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Color

CIELCh(74, 40.834, 205.065)

Conversions

Conversions Part 1

Format	Color
Hex	00C9D4
RGB	0, 201, 212
RGB Percent	0%, 79%, 83%
CMY	1.0000, 0.2102, 0.1671
CMYK	1.00, 0.05, 0.00, 0.17
HSL	183°, 100%, 42%
HSV	183°, 100%, 83%
XYZ	32.8652, 46.7039, 69.8269
YIQ	142.1550, -123.3270, -39.1910

Conversions

Conversions Part 2

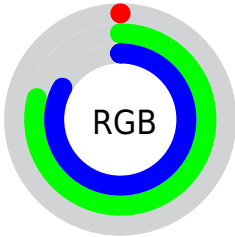
Format	Color
RYB	0, 103, 212
Decimal	51668
CIELab	74.00, -36.99, -17.30
CIELCh	74, 40.834, 205.065
Yxy	46.7039, 0.2200, 0.3126
Android (android.graphics.Color)	4278241748 (0xFF00C9D4)
YUV	142.1550, 34.4336, -124.6699
Hunter-Lab	68.3403, -33.7539, -12.7415

Details

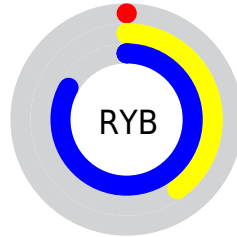
The CIELCh color **74, 40.834, 205.065** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 90.424, 40.459**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **55, 31.944, 208.199** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.739, 205.090**, and if you desaturate by 10%, it is **74, 40.320, 204.329**.

Distribution



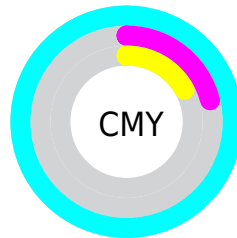
- Red (0%)
- Green (79%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (21%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 40.834, 205.065 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, 40.834, 205.065 by changing the saturation by 10% instead.

 74, 40.834,
205.065

 74, 40.834,
205.065


 100, 40.834,
205.065


 64, 40.834,
205.065


 94, 40.834,
205.065

 54, 40.834,
205.065

 44, 40.834,
205.065

 34, 40.834,
205.065

 24, 40.834,
205.065

 14, 40.834,
205.065

 4, 40.834, 205.065

■ 0, 40.834, 205.065

■ 74, 40.834,
205.065

■ 74, 40.834,
205.065

■ 74, 40.739,
205.090

■ 74, 40.320,
204.329

■ 75, 39.190,
203.728

■ 76, 37.157,
203.305

■ 77, 34.179,
203.047

■ 78, 30.275,
202.937

■ 79, 25.512,
202.959

■ 80, 19.987,
203.095

■ 82, 13.815,
203.331

■ 83, 7.114, 203.671

Harmonies

Complementary

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



74, 40.834, 205.065



45, 90.424, 40.459

Rectangle

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



74, 40.834, 205.065



74, 40.834, 255.065



74, 40.834, 25.065



74, 40.834, 75.065

Sweetspot

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



74, 40.739, 205.090



94, 23.155, 203.089



74, 103.483, 136.356



50, 15.520, 203.020



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, 40.739, 205.090



87, 46.735, 205.188



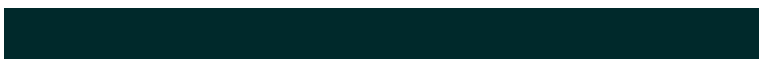
43, 70.073, 289.015



44, 4.072, 203.696



61, 34.672, 204.951



14, 13.753, 203.289

Inverse Universe

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



50, 96.633, 330.426



60, 110.879, 330.450



59, 73.045, 64.498



42, 7.576, 326.365



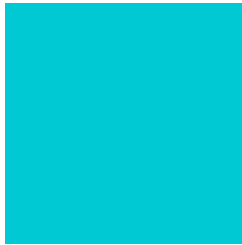
40, 82.218, 330.392



6, 31.737, 329.785

Previews

White Background



This preview shows how the CIE LCh color 74, 40.834, 205.065 looks on a white background.

Color Contrast Check

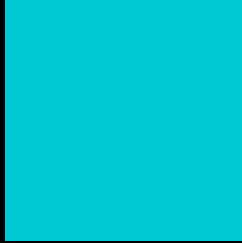
Large Text (above 18pt) WCAG AA × Fail

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, 40.834, 205.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

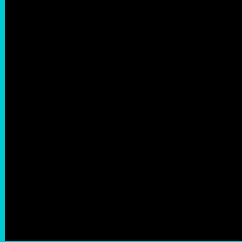
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 40.834, 205.065

Background



This preview shows how black text looks on a background with the CIELCh color 74, 40.834, 205.065.

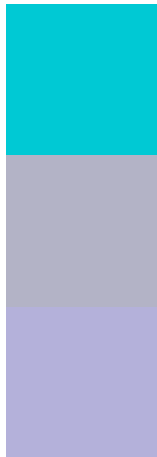


This preview shows how white text looks on a background with the CIELCh color 74, 40.834, 205.065.

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, 40.679, 205.106

Protanopia

73, 10.313, 291.168

Deuteranopia

74, 22.304, 294.894

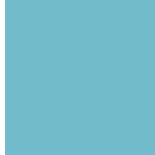


Tritanopia
74, 39.724, 209.467

Trichromacy



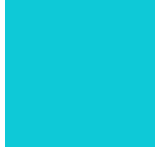
Original Color
74, 40.679, 205.106



Protanomaly
72, 24.028, 219.272



Deuteranomaly
72, 26.258, 236.932



Tritanomaly
74, 40.114, 207.688

Monochromacy



Original Color
74, 40.679, 205.106



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 23.794, 202.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 40.834, 205.065 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, 201, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 212)  
}
```

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, 201, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 40.834, 205.065 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, 201, 212) }
```

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

```
.border{ border-color:rgb(0, 201, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 40.834, 205.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 212) }
```

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

```
.background{ background-color: rgb(0, 201,  
212) }
```

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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