

Converting Colors

CIELCh(74, 42.275, 216.422)

Have a look what the booklet for
CIELCh(74, 42.275, 216.422)
contains.

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Color

CIELCh(74, 40.438, 217.471)

Conversions

Conversions Part 1

Format	Color
Hex	00C8E2
RGB	0, 200, 226
RGB Percent	0%, 78%, 89%
CMY	1.0000, 0.2161, 0.1142
CMYK	1.00, 0.12, 0.00, 0.11
HSL	187°, 100%, 44%
HSV	187°, 100%, 89%
XYZ	34.2595, 46.7039, 79.0761
YIQ	143.1640, -127.5460, -34.3140

Conversions

Conversions Part 2

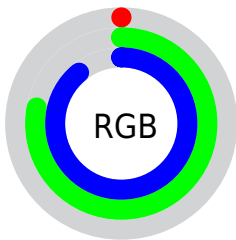
Format	Color
RYB	0, 106, 226
Decimal	51426
CIELab	74.00, -32.09, -24.60
CIELCh	74, 40.438, 217.471
Yxy	46.7039, 0.2141, 0.2918
Android (android.graphics.Color)	4278241506 (0xFF00C8E2)
YUV	143.1640, 40.8381, -125.5548
Hunter-Lab	68.3403, -30.1120, -20.7659

Details

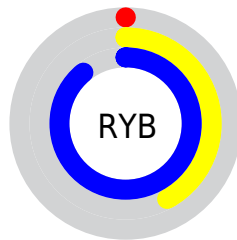
The CIELCh color **74, 40.438, 217.471** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **48, 93.563, 41.236**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **56, 32.338, 223.664** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.278, 217.565**, and if you desaturate by 10%, it is **75, 39.914, 215.534**.

Distribution



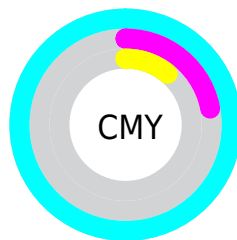
- Red (0%)
- Green (78%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (22%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 40.438, 217.471 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, 40.438, 217.471 by changing the saturation by 10% instead.


 74, 40.438,
217.471


 74, 40.438,
217.471


 100, 40.438,
217.471


 64, 40.438,
217.471


 94, 40.438,
217.471

 54, 40.438,
217.471

 44, 40.438,
217.471

 34, 40.438,
217.471

 24, 40.438,
217.471

 14, 40.438,
217.471

 4, 40.438, 217.471

■ 0, 40.438, 217.471

■ 74, 40.438,
217.471

■ 74, 40.438,
217.471

■ 74, 40.278,
217.565

■ 75, 39.914,
215.534

■ 76, 38.843,
213.860

■ 77, 36.865,
212.559

■ 78, 33.933,
211.586

■ 80, 30.069,
210.893

■ 82, 25.342,
210.435

■ 83, 19.856,
210.170

■ 85, 13.726,
210.068

■ 88, 7.071, 210.117

Harmonies

Complementary

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



74, 40.438, 217.471



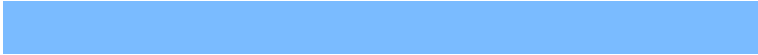
48, 93.563, 41.236

Rectangle

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



74, 40.438, 217.471



74, 40.438, 267.471



74, 40.438, 37.471



74, 40.438, 87.471

Sweetspot

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



74, 40.278, 217.565



93, 21.890, 210.174



79, 107.293, 136.775



49, 14.673, 210.266



0, 0.000, 0.000



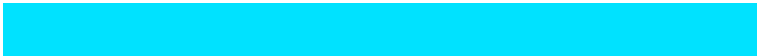
53, 0.007, 296.813

Same Dimension

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



74, 40.278, 217.565



83, 44.123, 217.728



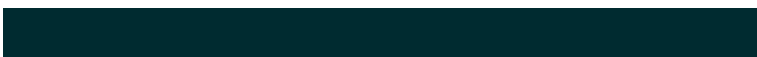
43, 80.852, 292.958



46, 3.999, 210.125



59, 33.456, 217.172



15, 13.924, 213.386

Inverse Universe

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



52, 96.243, 333.490



59, 105.415, 333.530



65, 75.619, 68.913



44, 7.534, 328.259



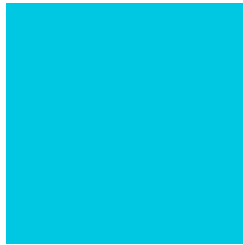
41, 79.971, 333.393



7, 33.246, 332.448

Previews

White Background



This preview shows how the CIE LCh color 74, 40.438, 217.471 looks on a white background.

Color Contrast Check

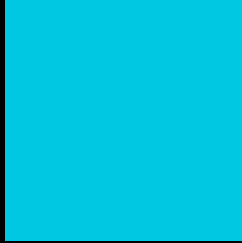
Large Text (above 18pt) WCAG AA × Fail

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, 40.438, 217.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

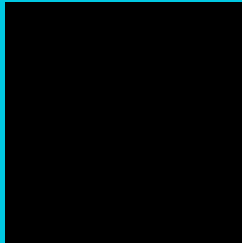
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 40.438, 217.471

Background



This preview shows how black text looks on a background with the CIELCh color 74, 40.438, 217.471.



This preview shows how white text looks on a background with the CIELCh color 74, 40.438, 217.471.

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

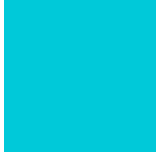
74, 40.293, 217.571

Protanopia

74, 17.946, 286.405

Deuteranopia

74, 29.309, 289.752

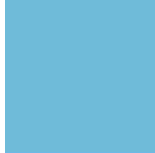


Tritanopia
74, 40.412, 209.203

Trichromacy



Original Color
74, 40.293, 217.571



Protanomaly
72, 27.203, 235.255



Deuteranomaly
72, 31.392, 248.574



Tritanomaly
74, 40.341, 211.682

Monochromacy



Original Color
74, 40.293, 217.571



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 23.480, 210.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 40.438, 217.471 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, 200, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 226)  
}
```

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, 200, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 40.438, 217.471 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, 200, 226) }
```

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

```
.border{ border-color:rgb(0, 200, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 40.438, 217.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 226) }
```

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

```
.background{ background-color: rgb(0, 200,  
226) }
```

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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