

Converting Colors

CIELCh(74, 44.888, 242.242)

Have a look what the booklet for
CIELCh(74, 44.888, 242.242)
contains.

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Color

CIELCh(74, 44.830, 242.643)

Conversions

Conversions Part 1

Format	Color
Hex	01C4FE
RGB	1, 196, 254
RGB Percent	0%, 77%, 100%
CMY	0.9964, 0.2309, 0.0034
CMYK	1.00, 0.23, 0.00, 0.00
HSL	194°, 99%, 50%
HSV	194°, 100%, 100%
XYZ	37.6876, 46.7039, 100.9016
YIQ	144.3070, -134.8380, -23.3020

Conversions

Conversions Part 2

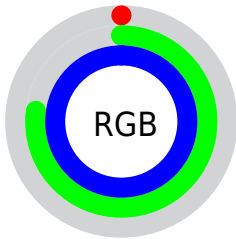
Format	Color
RYB	1, 111, 254
Decimal	115966
CIELab	74.00, -20.60, -39.82
CIELCh	74, 44.830, 242.643
Yxy	46.7039, 0.2034, 0.2521
Android (android.graphics.Color)	4278306046 (0xFF01C4FE)
YUV	144.3070, 54.0786, -125.6802
Hunter-Lab	68.3403, -21.1582, -39.7010

Details

The CIELCh color **74, 44.830, 242.643** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 98.133, 43.955**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 39.016, 198.564**, and **55, 39.154, 252.374** is the 20% darker color. If you saturate the color by 10%, you get **74, 44.878, 242.800**, and if you desaturate by 10%, it is **76, 43.447, 238.312**.

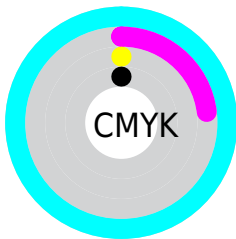
Distribution



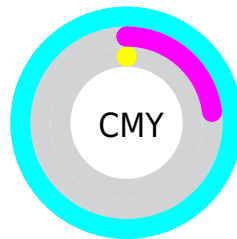
- Red (0%)
- Green (77%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 44.830, 242.643 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, 44.830, 242.643 by changing the saturation by 10% instead.

 74, 44.830,
242.643

 74, 44.830,
242.643

 100, 44.830,
242.643

 64, 44.830,
242.643


 94, 44.830,
242.643

 54, 44.830,
242.643

 44, 44.830,
242.643

 34, 44.830,
242.643

 24, 44.830,
242.643

 14, 44.830,
242.643

 4, 44.830, 242.643

■ 0, 44.830, 242.643

■ 74, 44.830,
242.643

■ 74, 44.830,
242.643

■ 74, 44.878,
242.800

■ 76, 43.447,
238.312

■ 78, 41.561,
234.604

■ 80, 38.933,
231.580

■ 82, 35.470,
229.174

■ 85, 31.162,
227.297

■ 88, 26.065,
225.855

■ 90, 20.268,
224.765

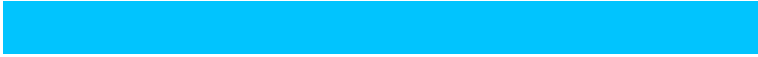
■ 93, 13.877,
223.961

■ 97, 7.001, 223.405

Harmonies

Complementary

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



74, 44.830, 242.643



56, 98.133, 43.955

Rectangle

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



74, 44.830, 242.643



74, 44.830, 292.643



74, 44.830, 62.643



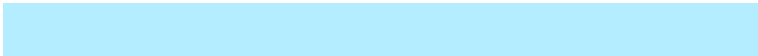
74, 44.830, 112.643

Sweetspot

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



74, 44.829, 242.643



91, 20.542, 224.799



88, 112.109, 138.642



47, 13.795, 225.225



0, 0.000, 0.000



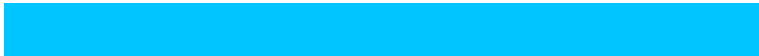
53, 0.007, 296.813

Same Dimension

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



74, 44.829, 242.643



74, 44.996, 242.809



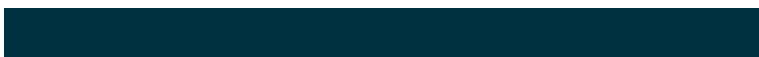
41, 106.858, 299.686



52, 4.140, 223.399



57, 36.113, 241.961



18, 16.297, 236.005

Inverse Universe

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



57, 96.312, 340.222



57, 96.565, 340.274



79, 82.715, 79.901



50, 7.721, 332.148



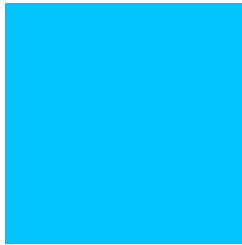
43, 78.001, 340.015



11, 36.615, 338.279

Previews

White Background



This preview shows how the CIE LCh color 74, 44.830, 242.643 looks on a white background.

Color Contrast Check

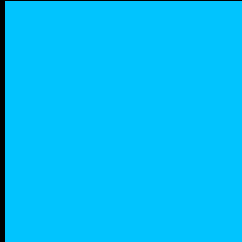
Large Text (above 18pt) WCAG AA × Fail

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, 44.830, 242.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

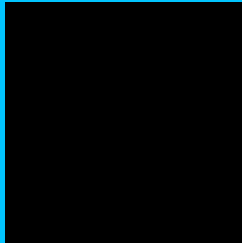
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 44.830, 242.643

Background



This preview shows how black text looks on a background with the CIELCh color 74, 44.830, 242.643.

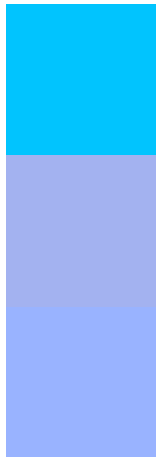


This preview shows how white text looks on a background with the CIELCh color 74, 44.830, 242.643.

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

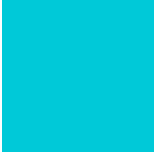
74, 44.814, 242.665

Protanopia

73, 33.794, 285.356

Deuteranopia

74, 41.558, 283.392



Tritanopia
74, 40.450, 208.380

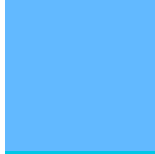
Trichromacy



Original Color
74, 44.814, 242.665



Protanomaly
72, 38.055, 258.301



Deuteranomaly
73, 42.772, 262.313



Tritanomaly
74, 40.453, 221.803

Monochromacy



Original Color
74, 44.814, 242.665



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 24.223, 227.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 44.830, 242.643 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(1, 196, 254)` looks like.

```
.text, #text, p{  
    color:rgb(1, 196, 254)  
}
```

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(1, 196, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 196, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 44.830, 242.643 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(1, 196, 254) }
```

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

```
.border{ border-color:rgb(1, 196, 254) }
```

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

Here you see how a box with a 4 pixel rgb(1, 196, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 196, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 196, 254);  
box-shadow:4px 4px 4px 4px rgb(1, 196,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 44.830, 242.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 196, 254) }
```

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

```
.background{ background-color: rgb(1, 196,  
254) }
```

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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