

Converting Colors

CIELCh(74, 42.460, 235.418)

Have a look what the booklet for
CIELCh(74, 42.460, 235.418)
contains.

CIELCh(74, 42.460, 235.599)	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, 42.460, 235.599)

Conversions

Conversions Part 1

Format	Color
Hex	0AC5F5
RGB	10, 197, 245
RGB Percent	4%, 77%, 96%
CMY	0.9624, 0.2266, 0.0383
CMYK	0.96, 0.20, 0.00, 0.04
HSL	192°, 92%, 50%
HSV	192°, 96%, 96%
XYZ	36.6543, 46.7039, 93.6580
YIQ	146.5590, -126.8600, -24.7160

Conversions

Conversions Part 2

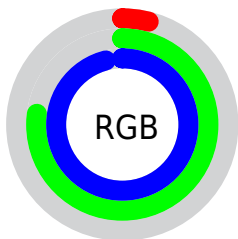
Format	Color
R _Y B	10, 114, 245
Decimal	706037
CIE Lab	74.00, -23.99, -35.03
CIE LCh	74, 42.460, 235.599
Yxy	46.7039, 0.2071, 0.2638
Android (android.graphics.Color)	4278896117 (0xFF0AC5F5)
YUV	146.5590, 48.5314, -119.7622
Hunter-Lab	68.3403, -23.8571, -33.4167

Details

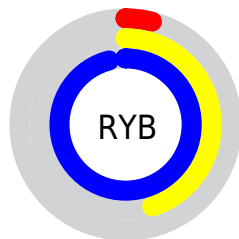
The CIELCh color **74, 42.460, 235.599** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 94.047, 43.240**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 39.321, 197.772**, and **55, 36.283, 244.949** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.825, 237.160**, and if you desaturate by 10%, it is **76, 41.302, 231.881**.

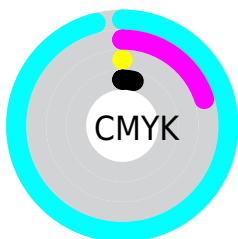
Distribution



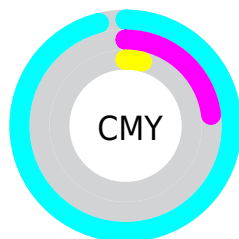
- Red (4%)
- Green (77%)
- Blue (96%)



- Red (4%)
- Yellow (45%)
- Blue (96%)



- Cyan (96%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (96%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 42.460, 235.599 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, 42.460, 235.599 by changing the saturation by 10% instead.

 74, 42.460,
235.599

 74, 42.460,
235.599


 100, 42.460,
235.599

 64, 42.460,
235.599


 94, 42.460,
235.599

 54, 42.460,
235.599

 44, 42.460,
235.599

 34, 42.460,
235.599

 24, 42.460,
235.599

 14, 42.460,
235.599

 4, 42.460, 235.599

■ 0, 42.460, 235.599

■ 74, 42.460,
235.599

■ 74, 42.460,
235.599

■ 73, 42.825,
237.160

■ 76, 41.302,
231.881

■ 77, 39.452,
228.820

■ 79, 36.768,
226.374

■ 82, 33.204,
224.463

■ 84, 28.786,
223.000

■ 86, 23.590,
221.902

■ 89, 17.718,
221.099

■ 92, 11.281,
220.538

■ 95, 4.386, 220.224

Harmonies

Complementary

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



74, 42.460, 235.599



55, 94.047, 43.240

Rectangle

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



74, 42.460, 235.599



74, 42.460, 285.599



74, 42.460, 55.599



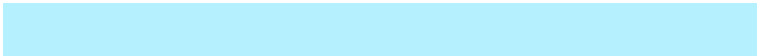
74, 42.460, 105.599

Sweetspot

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



74, 42.459, 235.599



91, 20.109, 221.310



85, 108.183, 138.836



48, 13.575, 221.654



0, 0.000, 0.000



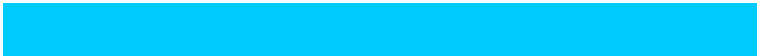
53, 0.007, 296.813

Same Dimension

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



74, 42.459, 235.599



76, 44.122, 237.254



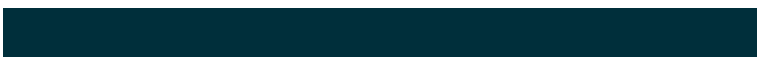
42, 97.598, 297.712



50, 4.049, 220.292



57, 34.752, 236.399



17, 15.300, 230.511

Inverse Universe

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



56, 95.436, 338.154



58, 98.396, 338.632



76, 79.516, 79.207



48, 7.603, 331.226



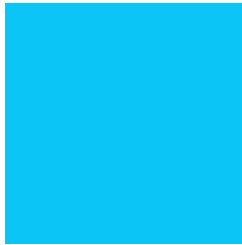
42, 77.899, 338.390



10, 35.340, 336.781

Previews

White Background



This preview shows how the CIE LCh color 74, 42.460, 235.599 looks on a white background.

Color Contrast Check

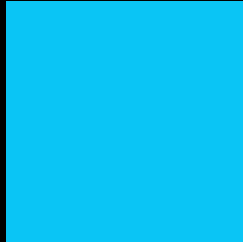
Large Text (above 18pt) WCAG AA × Fail

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, 42.460, 235.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

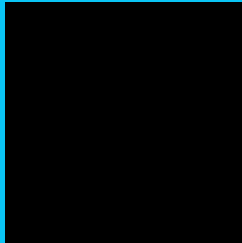
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 42.460, 235.599

Background



This preview shows how black text looks on a background with the CIELCh color 74, 42.460, 235.599.

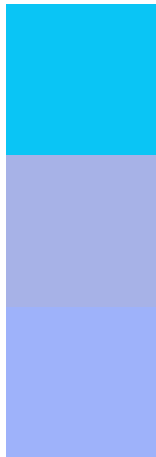


This preview shows how white text looks on a background with the CIELCh color 74, 42.460, 235.599.

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

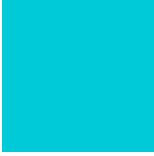
74, 42.422, 235.641

Protanopia

73, 28.869, 285.831

Deuteranopia

74, 39.265, 284.989



Tritanopia
74, 40.450, 208.380

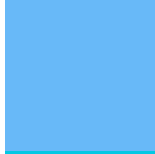
Trichromacy



Original Color
74, 42.422, 235.641



Protanomaly
72, 33.818, 254.207



Deuteranomaly
73, 39.287, 260.035



Tritanomaly
74, 40.266, 218.442

Monochromacy



Original Color
74, 42.422, 235.641



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 23.092, 223.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 42.460, 235.599 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(10, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(10, 197, 245)  
}
```

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(10, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 197, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 42.460, 235.599 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(10, 197, 245) }
```

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

```
.border{ border-color:rgb(10, 197, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 197, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(10, 197,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 42.460, 235.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 197, 245) }
```

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

```
.background{ background-color: rgb(10, 197,  
245) }
```

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