

Converting Colors

CIELCh(74, 39.313, 226.738)

Have a look what the booklet for
CIELCh(74, 39.313, 226.738)
contains.

CIELCh(74, 39.294, 226.368)	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, 39.294, 226.368)

Conversions

Conversions Part 1

Format	Color
Hex	26C6E9
RGB	38, 198, 233
RGB Percent	15%, 78%, 91%
CMY	0.8506, 0.2234, 0.0861
CMYK	0.84, 0.15, 0.00, 0.09
HSL	191°, 82%, 53%
HSV	191°, 84%, 91%
XYZ	35.7183, 46.7039, 84.2519
YIQ	154.1500, -106.5950, -23.0350

Conversions

Conversions Part 2

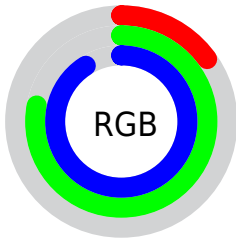
Format	Color
R_{YB}	38, 126, 233
Decimal	2541289
CIE _{Lab}	74.00, -27.11, -28.44
CIE _{LCh}	74, 39.294, 226.368
Yxy	46.7039, 0.2143, 0.2802
Android (android.graphics.Color)	4280731369 (0xFF26C6E9)
YUV	154.1500, 38.8730, -101.8636
Hunter-Lab	68.3403, -26.3019, -25.2562

Details

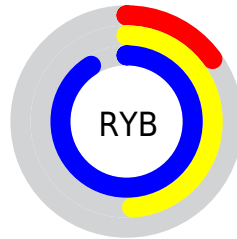
The CIELCh color **74, 39.294, 226.368** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **54, 80.378, 41.733**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **55, 33.221, 232.477** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.352, 229.462**, and if you desaturate by 10%, it is **76, 37.461, 223.866**.

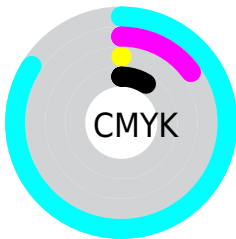
Distribution



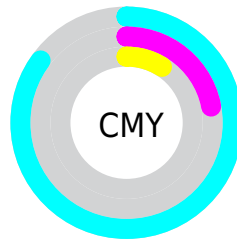
- Red (15%)
- Green (78%)
- Blue (91%)



- Red (15%)
- Yellow (49%)
- Blue (91%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (22%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 39.294, 226.368 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, 39.294, 226.368 by changing the saturation by 10% instead.


 74, 39.294,
226.368

 74, 39.294,
226.368


 100, 39.294,
226.368


 64, 39.294,
226.368

 94, 39.294,
226.368

 54, 39.294,
226.368

 44, 39.294,
226.368

 34, 39.294,
226.368

 24, 39.294,
226.368

 14, 39.294,
226.368

 4, 39.294, 226.368

■ 0, 39.294, 226.368

■ 74, 39.294,
226.368

■ 74, 39.294,
226.368

■ 73, 40.352,
229.462

■ 76, 37.461,
223.866

■ 72, 40.771,
231.677

■ 77, 34.757,
221.899

■ 79, 31.168,
220.389

■ 81, 26.740,
219.257

■ 84, 21.558,
218.432

■ 86, 15.729,
217.858

■ 89, 9.364, 217.492

■ 91, 2.570, 217.425

■ 94, 4.558, 36.928

Harmonies

Complementary

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



74, 39.294, 226.368



54, 80.378, 41.733

Rectangle

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



74, 39.294, 226.368



74, 39.294, 276.368



74, 39.294, 46.368



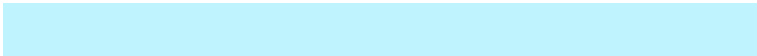
74, 39.294, 96.368

Sweetspot

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



74, 39.293, 226.368



93, 17.796, 217.929



81, 98.221, 140.042



49, 11.987, 218.117



0, 0.000, 0.000



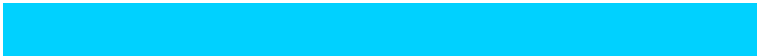
53, 0.007, 296.813

Same Dimension

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



74, 39.293, 226.368



78, 43.655, 231.873



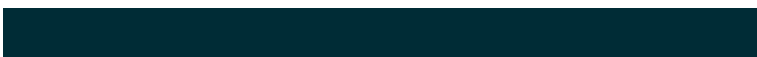
47, 76.409, 291.263



48, 3.963, 217.403



57, 33.726, 231.037



16, 14.426, 225.327

Inverse Universe

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



55, 90.945, 335.592



58, 100.220, 337.145



73, 71.033, 78.995



46, 7.468, 330.378



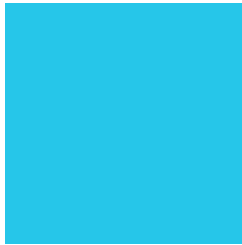
41, 77.720, 336.921



9, 33.952, 335.433

Previews

White Background



This preview shows how the CIE LCh color 74, 39.294, 226.368 looks on a white background.

Color Contrast Check

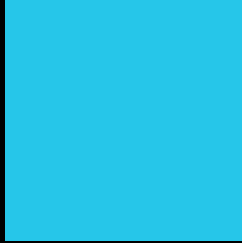
Large Text (above 18pt) WCAG AA × Fail

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, 39.294, 226.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

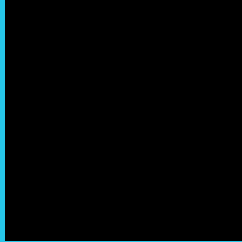
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 39.294, 226.368

Background



This preview shows how black text looks on a background with the CIELCh color 74, 39.294, 226.368.

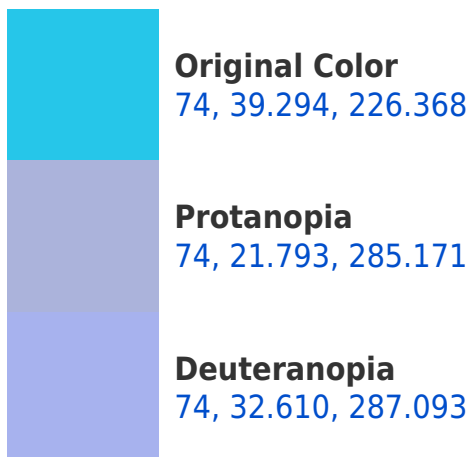


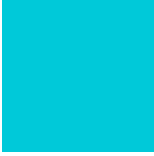
This preview shows how white text looks on a background with the CIELCh color 74, 39.294, 226.368.

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





Tritanopia
74, 40.412, 209.203

Trichromacy



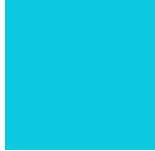
Original Color
74, 39.294, 226.368



Protanomaly
73, 27.300, 248.040



Deuteranomaly
73, 32.572, 257.574



Tritanomaly
74, 39.844, 215.274

Monochromacy



Original Color
74, 39.294, 226.368



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 19.995, 219.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 39.294, 226.368 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(38, 198, 233)` looks like.

```
.text, #text, p{  
    color:rgb(38, 198, 233)  
}
```

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(38, 198, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 198, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 39.294, 226.368 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(38, 198, 233) }
```

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

```
.border{ border-color:rgb(38, 198, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 198, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 198, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 198, 233);  
box-shadow:4px 4px 4px 4px rgb(38, 198,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 39.294, 226.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 198, 233) }
```

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

```
.background{ background-color: rgb(38, 198,  
233) }
```

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