

Converting Colors

CIELCh(74, 37.790, 238.280)

Have a look what the booklet for
CIELCh(74, 37.790, 238.280)
contains.

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Color

CIELCh(74, 37.782, 238.310)

Conversions

Conversions Part 1

Format	Color
Hex	48C3F0
RGB	72, 195, 240
RGB Percent	28%, 76%, 94%
CMY	0.7176, 0.2353, 0.0588
CMYK	0.70, 0.19, 0.00, 0.06
HSL	196°, 85%, 61%
HSV	196°, 70%, 94%
XYZ	37.9199, 46.7039, 89.4604
YIQ	163.3530, -87.7530, -12.0810

Conversions

Conversions Part 2

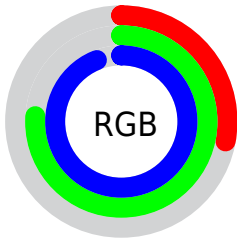
Format	Color
R _Y B	72, 143, 240
Decimal	4768752
CIE Lab	74.00, -19.85, -32.15
CIE LCh	74, 37.782, 238.310
Yxy	46.7039, 0.2178, 0.2683
Android (android.graphics.Color)	4282958832 (0xFF48C3F0)
YUV	163.3530, 37.7870, -80.1166
Hunter-Lab	68.3403, -20.5515, -29.7750

Details

The CIELCh color **74, 37.782, 238.310** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **63, 64.009, 46.287**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.531, 200.032**, and **55, 35.215, 242.813** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.656, 241.799**, and if you desaturate by 10%, it is **77, 34.218, 235.485**.

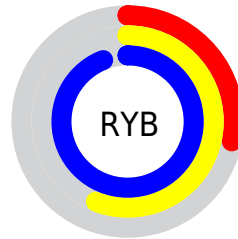
Distribution



Red (28%)

Green (76%)

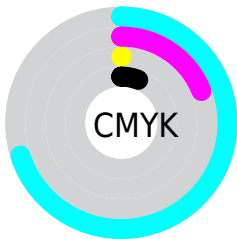
Blue (94%)



Red (28%)

Yellow (56%)

Blue (94%)

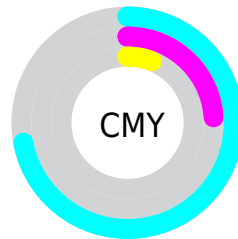


Cyan (70%)

Magenta (19%)

Yellow (0%)

Black (6%)



Cyan (72%)


Magenta (24%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 37.782, 238.310 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, 37.782, 238.310 by changing the saturation by 10% instead.


 74, 37.782,
238.310


 74, 37.782,
238.310


 100, 37.782,
238.310


 64, 37.782,
238.310


 94, 37.782,
238.310

 54, 37.782,
238.310

 44, 37.782,
238.310

 34, 37.782,
238.310

 24, 37.782,
238.310

 14, 37.782,
238.310

 4, 37.782, 238.310

■ 0, 37.782, 238.310

■ 74, 37.782,
238.310

■ 74, 37.782,
238.310

■ 72, 40.656,
241.799

■ 77, 34.218,
235.485

■ 69, 42.950,
245.996

■ 79, 29.941,
233.240

■ 67, 44.910,
250.768

■ 82, 24.985,
231.480

■ 67, 44.912,
250.773

■ 85, 19.423,
230.114

■ 88, 13.344,
229.068

■ 91, 6.840, 228.298

■ 95, 0.011, 330.812

■ 98, 4.458, 66.633

■ 99, 6.557, 103.024

Harmonies

Complementary

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



74, 37.782, 238.310



63, 64.009, 46.287

Rectangle

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



74, 37.782, 238.310



74, 37.782, 288.310



74, 37.782, 58.310



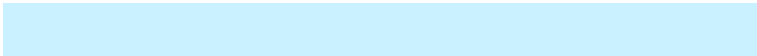
74, 37.782, 108.310

Sweetspot

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



74, 37.781, 238.310



93, 14.679, 229.167



84, 82.573, 145.290



49, 9.856, 229.436



0, 0.000, 0.000



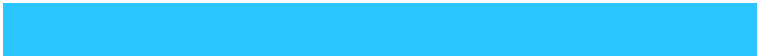
53, 0.007, 296.813

Same Dimension

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



74, 37.781, 238.310



75, 43.657, 243.510



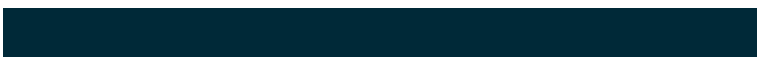
51, 74.612, 292.569



48, 3.890, 228.266



53, 36.519, 249.866



15, 15.306, 242.163

Inverse Universe

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



59, 80.379, 338.698



59, 91.976, 340.434



82, 66.509, 89.419



47, 7.139, 333.618



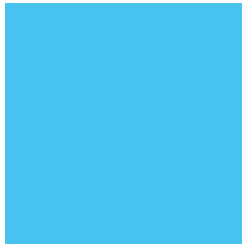
41, 73.673, 342.573



9, 33.009, 340.076

Previews

White Background



This preview shows how the CIELCh color 74, 37.782, 238.310 looks on a white background.

Color Contrast Check

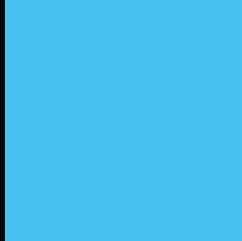
Large Text (above 18pt) WCAG AA × Fail

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, 37.782, 238.310 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

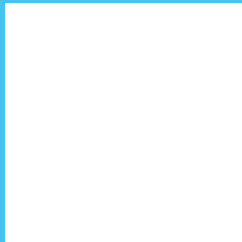
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 37.782, 238.310

Background



This preview shows how black text looks on a background with the CIELCh color 74, 37.782, 238.310.

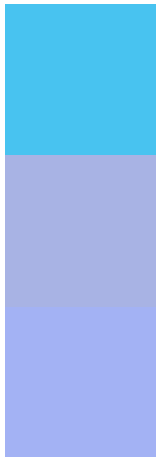


This preview shows how white text looks on a background with the CIELCh color 74, 37.782, 238.310.

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](#).

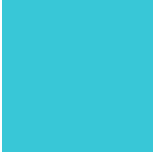
Dichromacy



Original Color
74, 37.782, 238.310

Protanopia
74, 26.705, 284.971

Deuteranopia
74, 35.921, 286.100



Tritanopia
74, 36.735, 210.722

Trichromacy



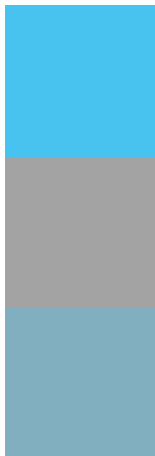
Original Color
74, 37.782, 238.310

Protanomaly
73, 29.246, 260.132

Deuteranomaly
73, 34.862, 266.469

Tritanomaly
74, 36.239, 220.288

Monochromacy



Original Color
74, 37.782, 238.310

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 17.102, 229.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 37.782, 238.310 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(72, 195, 240)` looks like.

```
.text, #text, p{  
    color:rgb(72, 195, 240)  
}
```

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(72, 195, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 195, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 37.782, 238.310 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(72, 195, 240) }
```

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

```
.border{ border-color:rgb(72, 195, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 195, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 195, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 195, 240);  
box-shadow:4px 4px 4px 4px rgb(72, 195,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 37.782, 238.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 195, 240) }
```

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

```
.background{ background-color: rgb(72, 195,  
240) }
```

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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