

Converting Colors

CIELCh(73, 38.737, 240.505)

Have a look what the booklet for
CIELCh(73, 38.737, 240.505)
contains.

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Color

CIELCh(73, 38.737, 240.505)

Conversions

Conversions Part 1

Format	Color
Hex	42C0F0
RGB	66, 192, 240
RGB Percent	26%, 75%, 94%
CMY	0.7410, 0.2469, 0.0587
CMYK	0.72, 0.20, 0.00, 0.06
HSL	197°, 85%, 60%
HSV	197°, 72%, 94%
XYZ	36.8379, 45.1644, 89.2367
YIQ	159.7980, -90.5040, -11.7840

Conversions

Conversions Part 2

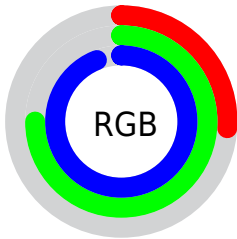
Format	Color
R _{YB}	66, 139, 240
Decimal	4374768
CIE Lab	73.00, -19.07, -33.72
CIE LCh	73, 38.737, 240.505
Yxy	45.1644, 0.2151, 0.2638
Android (android.graphics.Color)	4282564848 (0xFF42C0F0)
YUV	159.7980, 39.5396, -82.2608
Hunter-Lab	67.2044, -19.7636, -31.6844

Details

The CIELCh color **73, 38.737, 240.505** 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 **62, 66.509, 46.941**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 33.289, 203.696**, and **54, 35.802, 246.230** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.550, 244.252**, and if you desaturate by 10%, it is **76, 35.277, 237.443**.

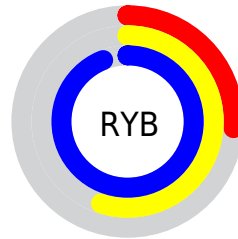
Distribution



Red (26%)

Green (75%)

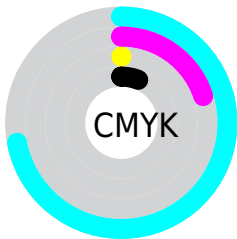
Blue (94%)



Red (26%)

Yellow (55%)

Blue (94%)

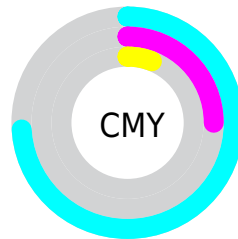


Cyan (72%)

Magenta (20%)

Yellow (0%)

Black (6%)



Cyan (74%)


Magenta (25%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 38.737, 240.505 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 73, 38.737, 240.505 by changing the saturation by 10% instead.


 73, 38.737,
240.505


 73, 38.737,
240.505


 100, 38.737,
240.505


 63, 38.737,
240.505


 93, 38.737,
240.505

 53, 38.737,
240.505

 43, 38.737,
240.505

 33, 38.737,
240.505

 23, 38.737,
240.505

 13, 38.737,
240.505

 3, 38.737, 240.505

0, 38.737, 240.505

73, 38.737,
240.505

73, 38.737,
240.505

71, 41.550,
244.252

76, 35.277,
237.443

68, 43.852,
248.703

78, 31.124,
234.991

67, 45.423,
252.381

81, 26.297,
233.056

84, 20.857,
231.544

87, 14.889,
230.376

91, 8.483, 229.495

■ 94, 1.726, 229.067

■ 97, 4.359, 55.007

■ 99, 5.995, 98.146

Harmonies

Complementary

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



73, 38.737, 240.505



62, 66.509, 46.941

Rectangle

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



73, 38.737, 240.505



73, 38.737, 290.505



73, 38.737, 60.505



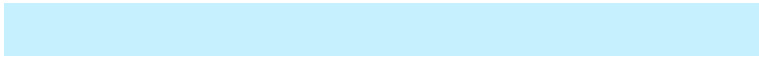
73, 38.737, 110.505

Sweetspot

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



73, 38.736, 240.505



92, 15.321, 230.335



84, 84.868, 144.868



48, 10.214, 230.619



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 38.736, 240.505



74, 44.709, 246.304



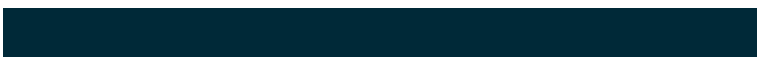
49, 77.575, 293.340



48, 3.885, 229.286



52, 36.913, 251.462



15, 15.404, 243.626

Inverse Universe

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



58, 81.666, 339.394



58, 92.372, 341.345



82, 68.426, 89.068



47, 7.098, 333.934



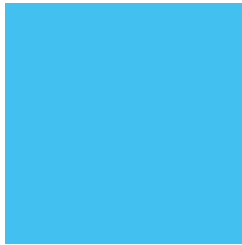
41, 73.276, 343.135



9, 32.846, 340.526

Previews

White Background



This preview shows how the CIELCh color 73, 38.737, 240.505 looks on a white background.

Color Contrast Check

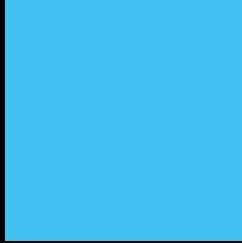
Large Text (above 18pt) WCAG AA × Fail

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 73, 38.737, 240.505 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 73, 38.737, 240.505

Background



This preview shows how black text looks on a background with the CIELCh color 73, 38.737, 240.505.

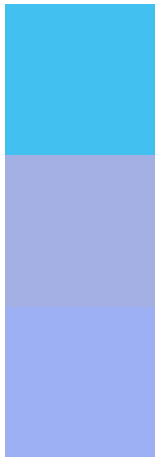


This preview shows how white text looks on a background with the CIELCh color 73, 38.737, 240.505.

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

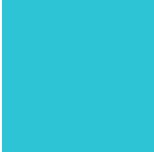
73, 38.737, 240.505

Protanopia

73, 28.425, 285.036

Deuteranopia

73, 37.188, 284.692



Tritanopia
73, 37.514, 210.391

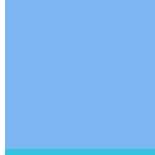
Trichromacy



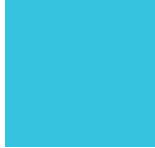
Original Color
73, 38.737, 240.505



Protanomaly
72, 30.852, 261.387



Deuteranomaly
72, 36.217, 266.127



Tritanomaly
73, 36.874, 221.787

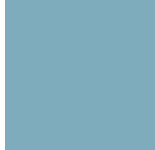
Monochromacy



Original Color
73, 38.737, 240.505



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 17.607, 230.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 38.737, 240.505 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(66, 192, 240)` looks like.

```
.text, #text, p{  
    color:rgb(66, 192, 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(66, 192, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 192, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 38.737, 240.505 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(66, 192, 240) }
```

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

```
.border{ border-color:rgb(66, 192, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 192, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 192, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 192, 240);  
box-shadow:4px 4px 4px 4px rgb(66, 192,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 38.737, 240.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 192, 240) }
```

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

```
.background{ background-color: rgb(66, 192,  
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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