

Converting Colors

CIELCh(73, 40.088, 234.475)

Have a look what the booklet for
CIELCh(73, 40.088, 234.475)
contains.

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Color

CIELCh(73, 40.098, 234.427)

Conversions

Conversions Part 1

Format	Color
Hex	28C2EE
RGB	40, 194, 238
RGB Percent	16%, 76%, 93%
CMY	0.8438, 0.2395, 0.0670
CMYK	0.83, 0.18, 0.00, 0.07
HSL	193°, 85%, 54%
HSV	193°, 83%, 93%
XYZ	35.5631, 45.1644, 87.6698
YIQ	152.9700, -105.9080, -18.9640

Conversions

Conversions Part 2

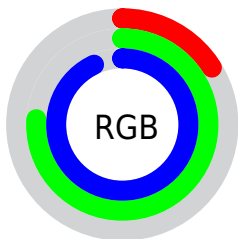
Format	Color
R _Y B	40, 127, 238
Decimal	2671342
CIE Lab	73.00, -23.33, -32.61
CIE LCh	73, 40.098, 234.427
Yxy	45.1644, 0.2112, 0.2682
Android (android.graphics.Color)	4280861422 (0xFF28C2EE)
YUV	152.9700, 41.9198, -99.0747
Hunter-Lab	67.2044, -23.1495, -30.3021

Details

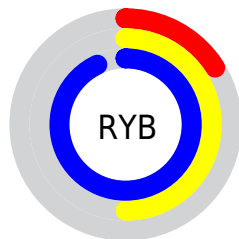
The CIELCh color **73, 40.098, 234.427** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 79.625, 43.878**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 37.073, 200.379**, and **54, 34.832, 242.154** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.606, 238.245**, and if you desaturate by 10%, it is **75, 37.916, 231.289**.

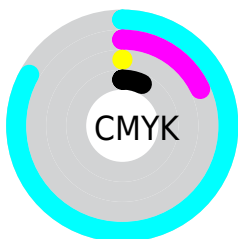
Distribution



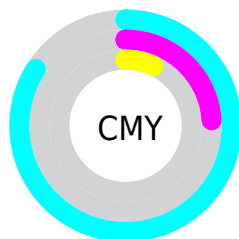
- Red (16%)
- Green (76%)
- Blue (93%)



- Red (16%)
- Yellow (50%)
- Blue (93%)



- Cyan (83%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)





- Cyan (84%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 40.098, 234.427 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, 40.098, 234.427 by changing the saturation by 10% instead.


 73, 40.098,
234.427


 73, 40.098,
234.427


 100, 40.098,
234.427


 63, 40.098,
234.427


 93, 40.098,
234.427

 53, 40.098,
234.427

 43, 40.098,
234.427

 33, 40.098,
234.427

 23, 40.098,
234.427

 13, 40.098,
234.427

 3, 40.098, 234.427

■ 0, 40.098, 234.427

■ 73, 40.098,
234.427

■ 73, 40.098,
234.427

■ 71, 41.606,
238.245

■ 75, 37.916,
231.289

■ 70, 42.402,
241.119

■ 77, 34.947,
228.779

■ 79, 31.160,
226.813

■ 82, 26.592,
225.299

■ 84, 21.319,
224.153

■ 87, 15.442,
223.303

■ 90, 9.063, 222.701

■ 93, 2.281, 222.451

■ 96, 4.813, 41.746

Harmonies

Complementary

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



73, 40.098, 234.427



57, 79.625, 43.878

Rectangle

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



73, 40.098, 234.427



73, 40.098, 284.427



73, 40.098, 54.427



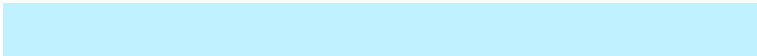
73, 40.098, 104.427

Sweetspot

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



73, 40.097, 234.427



92, 17.456, 223.440



83, 96.456, 141.436



48, 11.766, 223.726



0, 0.000, 0.000



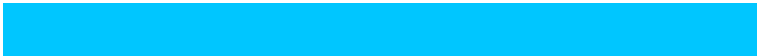
53, 0.007, 296.813

Same Dimension

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



73, 40.097, 234.427



75, 44.717, 241.300



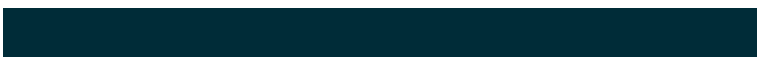
46, 83.540, 294.154



49, 3.947, 222.538



55, 34.813, 240.335



16, 14.929, 233.640

Inverse Universe

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



56, 89.604, 337.750



57, 97.058, 339.815



77, 73.192, 83.366



47, 7.375, 331.888



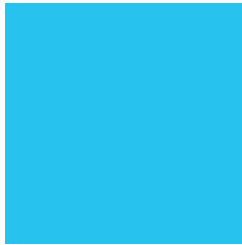
41, 76.083, 339.527



9, 33.977, 337.624

Previews

White Background



This preview shows how the CIELCh color 73, 40.098, 234.427 looks on a white background.

Color Contrast Check

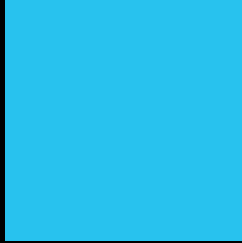
Large Text (above 18pt) WCAG AA × Fail

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, 40.098, 234.427 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

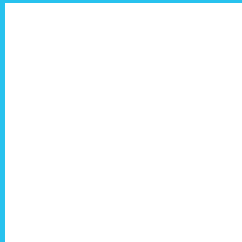
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 40.098, 234.427

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.098, 234.427.

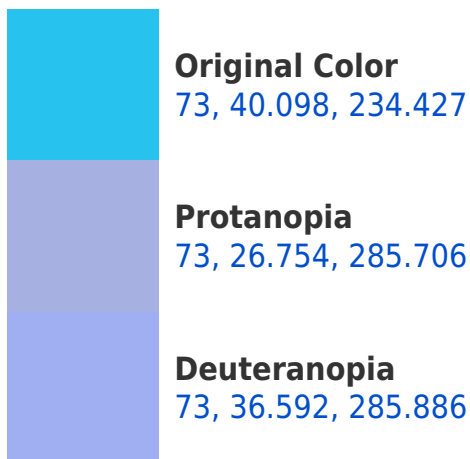


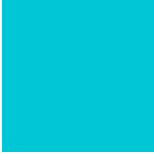
This preview shows how white text looks on a background with the CIELCh color 73, 40.098, 234.427.

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
73, 39.953, 209.390

Trichromacy



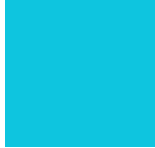
Original Color
73, 40.098, 234.427



Protanomaly
72, 30.723, 255.608



Deuteranomaly
72, 36.123, 262.342



Tritanomaly
73, 39.500, 218.097

Monochromacy



Original Color
73, 40.098, 234.427



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 19.933, 224.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.098, 234.427 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(40, 194, 238)` looks like.

```
.text, #text, p{  
    color:rgb(40, 194, 238)  
}
```

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(40, 194, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 194, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.098, 234.427 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(40, 194, 238) }
```

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

```
.border{ border-color:rgb(40, 194, 238) }
```

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

Here you see how a box with a 4 pixel rgb(40, 194, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 194, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 194, 238);  
box-shadow:4px 4px 4px 4px rgb(40, 194,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.098, 234.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 194, 238) }
```

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

```
.background{ background-color: rgb(40, 194,  
238) }
```

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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