

Converting Colors

CIELCh(73, 40.942, 189.362)

Have a look what the booklet for
CIELCh(73, 40.942, 189.362)
contains.

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Color

CIELCh(73, 40.914, 189.452)

Conversions

Conversions Part 1

Format	Color
Hex	2AC7BE
RGB	42, 199, 190
RGB Percent	16%, 78%, 75%
CMY	0.8338, 0.2188, 0.2541
CMYK	0.79, 0.00, 0.05, 0.22
HSL	177°, 65%, 47%
HSV	177°, 79%, 78%
XYZ	30.7543, 45.1644, 55.9231
YIQ	151.0310, -90.6830, -36.0830

Conversions

Conversions Part 2

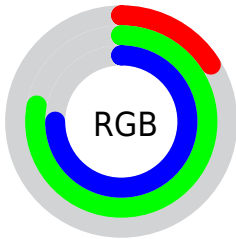
Format	Color
R_{YB}	42, 123, 199
Decimal	2803646
CIE _{Lab}	73.00, -40.36, -6.72
CIE _{LCh}	73, 40.914, 189.452
Yxy	45.1644, 0.2333, 0.3426
Android (android.graphics.Color)	4280993726 (0xFF2AC7BE)
YUV	151.0310, 19.2117, -95.6202
Hunter-Lab	67.2044, -35.9220, -2.2941

Details

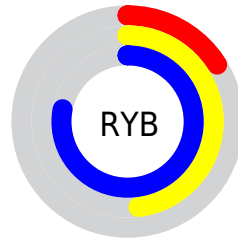
The CIELCh color **73, 40.914, 189.452** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **44, 69.566, 29.776**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.470, 190.247**, and **54, 34.061, 189.338** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.620, 188.752**, and if you desaturate by 10%, it is **73, 38.336, 190.119**.

Distribution



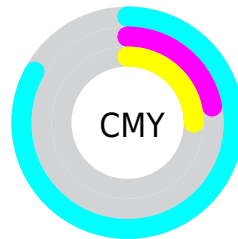
- Red (16%)
- Green (78%)
- Blue (75%)



- Red (16%)
- Yellow (48%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 40.914, 189.452 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, 40.914, 189.452 by changing the saturation by 10% instead.


 73, 40.914,
189.452


 73, 40.914,
189.452


 100, 40.914,
189.452


 63, 40.914,
189.452


 93, 40.914,
189.452

 53, 40.914,
189.452

 43, 40.914,
189.452

 33, 40.914,
189.452

 23, 40.914,
189.452

 13, 40.914,
189.452

 3, 40.914, 189.452

■ 0, 40.914, 189.452

■ 73, 40.914,
189.452

■ 73, 40.914,
189.452

■ 73, 42.620,
188.752

■ 73, 38.336,
190.119

■ 73, 43.600,
188.015

■ 74, 34.860,
190.770

■ 73, 43.708,
187.922

■ 75, 30.516,
191.416

■ 75, 25.378,
192.067

■ 76, 19.546,
192.728

■ 78, 13.138,
193.406

■ 79, 6.274, 194.127

■ 81, 0.934, 14.144

■ 82, 8.383, 15.350

Harmonies

Complementary

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



73, 40.914, 189.452



44, 69.566, 29.776

Rectangle

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



73, 40.914, 189.452



73, 40.914, 239.452



73, 40.914, 9.452



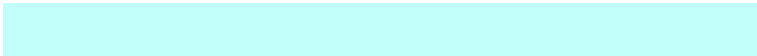
73, 40.914, 59.452

Sweetspot

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



73, 40.914, 189.451



96, 20.239, 193.022



71, 90.174, 136.491



51, 13.743, 192.779



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, 40.914, 189.451



91, 52.170, 188.264



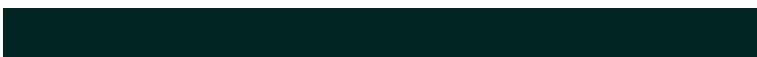
53, 42.659, 267.018



41, 4.065, 194.077



60, 37.666, 188.037



12, 13.465, 189.808

Inverse Universe

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



44, 69.566, 29.776



54, 98.658, 36.525



56, 59.224, 59.284



39, 4.285, 15.275



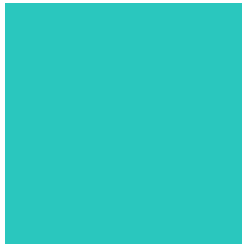
34, 72.372, 37.408



3, 15.917, 16.428

Previews

White Background



This preview shows how the CIELCh color 73, 40.914, 189.452 looks on a white background.

Color Contrast Check

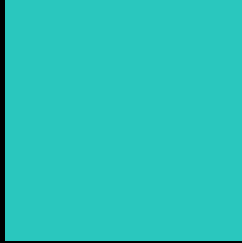
Large Text (above 18pt) WCAG AA × Fail

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, 40.914, 189.452 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

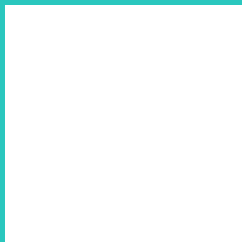
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 40.914, 189.452

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.914, 189.452.

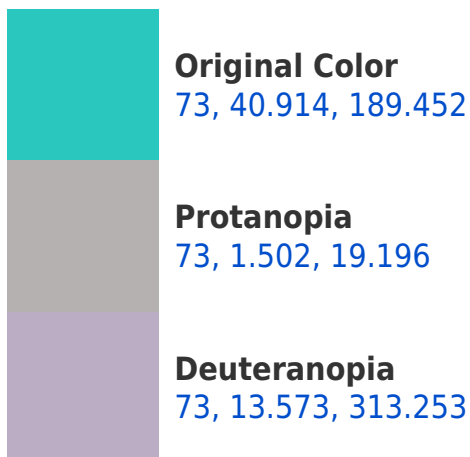


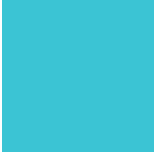
This preview shows how white text looks on a background with the CIELCh color 73, 40.914, 189.452.

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, 35.853, 211.144

Trichromacy



Original Color
73, 40.914, 189.452



Protanomaly
71, 18.668, 192.876



Deuteranomaly
71, 17.248, 218.726



Tritanomaly
73, 37.127, 202.687

Monochromacy



Original Color
73, 40.914, 189.452



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 20.136, 191.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.914, 189.452 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(42, 199, 190)` looks like.

```
.text, #text, p{  
    color:rgb(42, 199, 190)  
}
```

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(42, 199, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 199, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.914, 189.452 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(42, 199, 190) }
```

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

```
.border{ border-color:rgb(42, 199, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 199, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 199, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 199, 190);  
box-shadow:4px 4px 4px 4px rgb(42, 199,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.914, 189.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 199, 190) }
```

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

```
.background{ background-color: rgb(42, 199,  
190) }
```

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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