

Converting Colors

CIELCh(73, 38.801, 196.578)

Have a look what the booklet for
CIELCh(73, 38.801, 196.578)
contains.

CIELCh(73, 38.730, 196.573)	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(73, 38.730, 196.573)

Conversions

Conversions Part 1

Format	Color
Hex	2FC6C6
RGB	47, 198, 198
RGB Percent	18%, 78%, 78%
CMY	0.8145, 0.2228, 0.2229
CMYK	0.76, 0.00, 0.00, 0.22
HSL	180°, 61%, 48%
HSV	180°, 76%, 78%
XYZ	31.6327, 45.1644, 60.5804
YIQ	152.8510, -89.9960, -32.0120

Conversions

Conversions Part 2

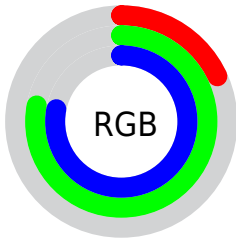
Format	Color
RYB	47, 123, 198
Decimal	3131078
CIELab	73.00, -37.12, -11.05
CIELCh	73, 38.730, 196.573
Yxy	45.1644, 0.2303, 0.3288
Android (android.graphics.Color)	4281321158 (0xFF2FC6C6)
YUV	152.8510, 22.2585, -92.8313
Hunter-Lab	67.2044, -33.5889, -6.4029

Details

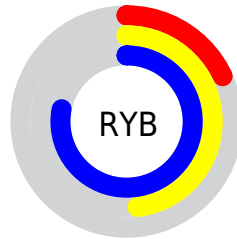
The CIELCh color **73, 38.730, 196.573** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **45, 69.241, 32.458**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **54, 32.425, 197.442** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.374, 196.457**, and if you desaturate by 10%, it is **73, 36.207, 196.749**.

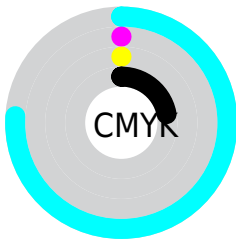
Distribution



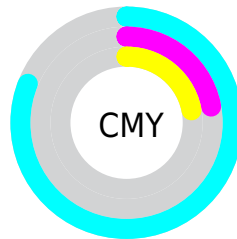
- Red (18%)
- Green (78%)
- Blue (78%)



- Red (18%)
- Yellow (48%)
- Blue (78%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (81%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 38.730, 196.573 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, 38.730, 196.573 by changing the saturation by 10% instead.


 73, 38.730,
196.573


 73, 38.730,
196.573


 100, 38.730,
196.573


 63, 38.730,
196.573


 93, 38.730,
196.573

 53, 38.730,
196.573

 43, 38.730,
196.573

 33, 38.730,
196.573

 23, 38.730,
196.573

 13, 38.730,
196.573

 3, 38.730, 196.573

■ 0, 38.730, 196.573

■ 73, 38.730,
196.573

■ 73, 38.730,
196.573

■ 73, 40.374,
196.457

■ 73, 36.207,
196.749

■ 73, 41.228,
196.398

■ 74, 32.784,
196.991

■ 73, 41.452,
196.382

■ 75, 28.492,
197.299

■ 75, 23.401,
197.671

■ 76, 17.610,
198.104

■ 78, 11.232,
198.597

■ 79, 4.382, 199.192

■ 81, 2.828, 19.428

■ 82, 10.300, 20.151

Harmonies

Complementary

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



73, 38.730, 196.573



45, 69.241, 32.458

Rectangle

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



73, 38.730, 196.573



73, 38.730, 246.573



73, 38.730, 16.573



73, 38.730, 66.573

Sweetspot

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



73, 38.730, 196.572



96, 19.208, 198.235



70, 88.741, 137.310



51, 13.123, 198.063



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, 38.730, 196.572



91, 49.555, 196.415



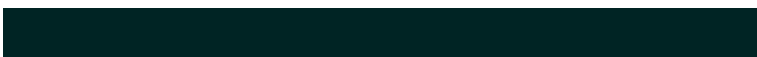
51, 44.711, 271.994



41, 4.034, 198.976



61, 35.889, 196.382



12, 12.984, 196.383

Inverse Universe

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



45, 69.241, 32.458



54, 99.500, 38.010



58, 56.459, 64.074



39, 4.279, 19.920



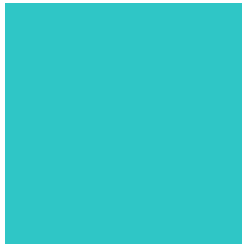
34, 74.643, 39.775



3, 15.885, 19.403

Previews

White Background



This preview shows how the CIELCh color 73, 38.730, 196.573 looks on a white background.

Color Contrast Check

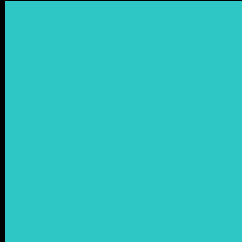
Large Text (above 18pt) WCAG AA × Fail

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, 38.730, 196.573 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

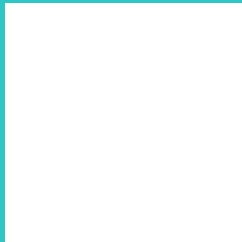
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 38.730, 196.573

Background



This preview shows how black text looks on a background with the CIELCh color 73, 38.730, 196.573.

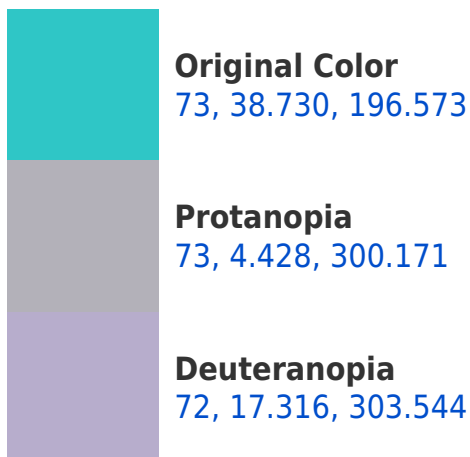


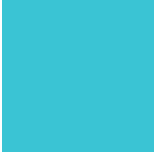
This preview shows how white text looks on a background with the CIELCh color 73, 38.730, 196.573.

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, 35.973, 211.088

Trichromacy



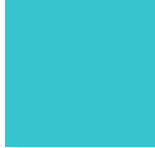
Original Color
73, 38.730, 196.573



Protanomaly
72, 18.266, 206.678



Deuteranomaly
71, 18.757, 234.219

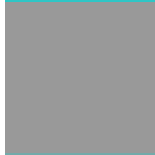


Tritanomaly
73, 36.804, 205.384

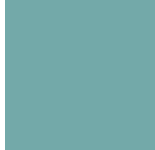
Monochromacy



Original Color
73, 38.730, 196.573



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 18.526, 197.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 38.730, 196.573 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(47, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(47, 198, 198)  
}
```

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(47, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 198, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 38.730, 196.573 is called "border". The border property can be set on classes, ids or directly on the HTML element.

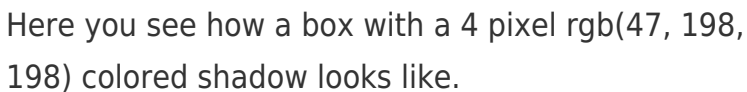
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 198, 198) }
```

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

```
.border{ border-color:rgb(47, 198, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 198, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 198, 198); box-shadow:4px 4px 4px 4px rgb(47, 198, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 38.730, 196.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 198, 198) }
```

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

```
.background{ background-color: rgb(47, 198,  
198) }
```

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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