

Converting Colors

CIELCh(73, 38.334, 196.615)

Have a look what the booklet for
CIELCh(73, 38.334, 196.615)
contains.

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Color

CIELCh(73, 38.295, 196.604)

Conversions

Conversions Part 1

Format	Color
Hex	33C6C6
RGB	51, 198, 198
RGB Percent	20%, 78%, 78%
CMY	0.8000, 0.2236, 0.2236
CMYK	0.74, 0.00, 0.00, 0.22
HSL	180°, 59%, 49%
HSV	180°, 74%, 78%
XYZ	31.7487, 45.1644, 60.4653
YIQ	154.0470, -87.6120, -31.1640

Conversions

Conversions Part 2

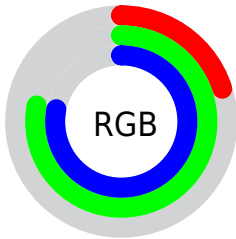
Format	Color
RYB	51, 125, 198
Decimal	3393222
CIELab	73.00, -36.70, -10.94
CIELCh	73, 38.295, 196.604
Yxy	45.1644, 0.2311, 0.3288
Android (android.graphics.Color)	4281583302 (0xFF33C6C6)
YUV	154.0470, 21.6688, -90.3722
Hunter-Lab	67.2044, -33.2809, -6.3014

Details

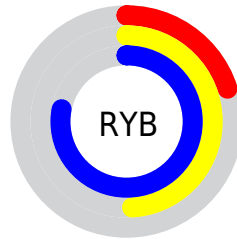
The CIELCh color **73, 38.295, 196.604** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **45, 67.421, 31.800**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.090, 197.085**, and **54, 32.425, 197.442** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.099, 196.477**, and if you desaturate by 10%, it is **73, 35.604, 196.792**.

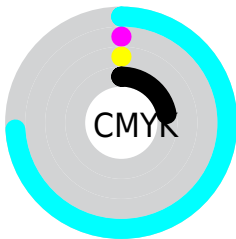
Distribution



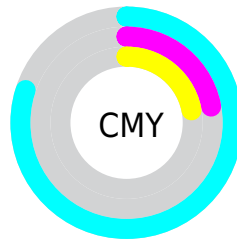
- Red (20%)
- Green (78%)
- Blue (78%)



- Red (20%)
- Yellow (49%)
- Blue (78%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (80%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 38.295, 196.604 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, 38.295, 196.604 by changing the saturation by 10% instead.

 73, 38.295,
196.604

 73, 38.295,
196.604


 100, 38.295,
196.604


 63, 38.295,
196.604


 93, 38.295,
196.604

 53, 38.295,
196.604

 43, 38.295,
196.604

 33, 38.295,
196.604

 23, 38.295,
196.604

 13, 38.295,
196.604

 3, 38.295, 196.604

■ 0, 38.295, 196.604

■ 73, 38.295,
196.604

■ 73, 38.295,
196.604

■ 73, 40.099,
196.477

■ 73, 35.604,
196.792

■ 73, 41.088,
196.408

■ 74, 32.016,
197.046

■ 73, 41.423,
196.385

■ 75, 27.570,
197.367

■ 76, 22.342,
197.750

■ 77, 16.436,
198.194

■ 78, 9.965, 198.700

■ 79, 3.044, 199.351

■ 81, 4.217, 19.601

■ 82, 11.723, 20.271

Harmonies

Complementary

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



73, 38.295, 196.604



45, 67.421, 31.800

Rectangle

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



73, 38.295, 196.604



73, 38.295, 246.604



73, 38.295, 16.604



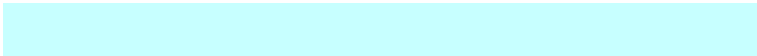
73, 38.295, 66.604

Sweetspot

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



73, 38.295, 196.603



96, 18.436, 198.286



70, 87.275, 137.486



51, 12.271, 198.154



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, 38.295, 196.603



91, 49.352, 196.429



52, 43.648, 271.226



41, 4.034, 198.978



61, 35.889, 196.385



12, 12.984, 196.386

Inverse Universe

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



45, 67.421, 31.800



54, 97.931, 37.410



58, 54.950, 64.357



39, 4.279, 19.922



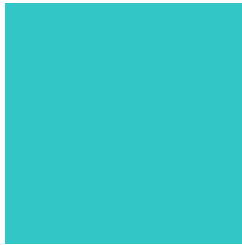
34, 74.644, 39.776



3, 15.885, 19.405

Previews

White Background



This preview shows how the CIELCh color 73, 38.295, 196.604 looks on a white background.

Color Contrast Check

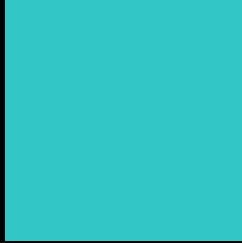
Large Text (above 18pt) WCAG AA × Fail

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, 38.295, 196.604 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

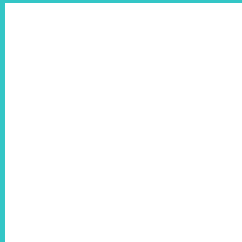
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 38.295, 196.604

Background



This preview shows how black text looks on a background with the CIELCh color 73, 38.295, 196.604.

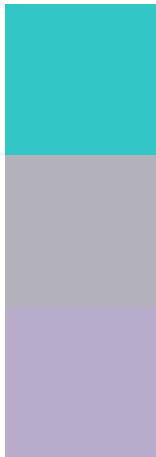


This preview shows how white text looks on a background with the CIELCh color 73, 38.295, 196.604.

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](#).

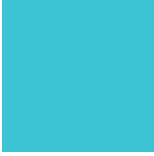
Dichromacy



Original Color
73, 38.295, 196.604

Protanopia
73, 4.428, 300.171

Deuteranopia
72, 16.785, 303.901



Tritanopia
73, 35.606, 211.260

Trichromacy



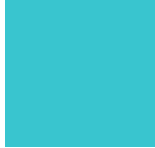
Original Color
73, 38.295, 196.604



Protanomaly
72, 17.971, 206.843



Deuteranomaly
71, 18.262, 233.224

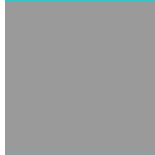


Tritanomaly
73, 36.450, 205.491

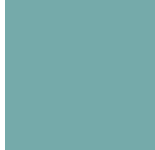
Monochromacy



Original Color
73, 38.295, 196.604



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 18.218, 197.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 38.295, 196.604 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(51, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 198, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 38.295, 196.604 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(51, 198, 198) }
```

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

```
.border{ border-color:rgb(51, 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(51, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(51, 198,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 38.295, 196.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 198, 198) }
```

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

```
.background{ background-color: rgb(51, 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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