

Converting Colors

CIELCh(73, 37.447, 196.663)

Have a look what the booklet for
CIELCh(73, 37.447, 196.663)
contains.

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Color

CIELCh(73, 37.575, 196.654)

Conversions

Conversions Part 1

Format	Color
Hex	39C6C6
RGB	57, 198, 198
RGB Percent	22%, 78%, 78%
CMY	0.7782, 0.2247, 0.2247
CMYK	0.71, 0.00, 0.00, 0.22
HSL	180°, 56%, 50%
HSV	180°, 71%, 78%
XYZ	31.9411, 45.1644, 60.2732
YIQ	155.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

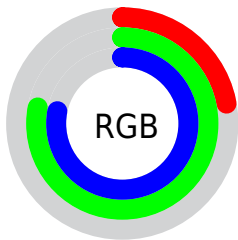
Format	Color
RYB	57, 128, 198
Decimal	3786438
CIELab	73.00, -36.00, -10.77
CIELCh	73, 37.575, 196.654
Yxy	45.1644, 0.2325, 0.3288
Android (android.graphics.Color)	4281976518 (0xFF39C6C6)
YUV	155.8410, 20.7844, -86.6836
Hunter-Lab	67.2044, -32.7699, -6.1319

Details

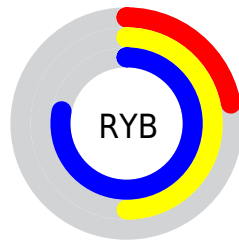
The CIELCh color **73, 37.575, 196.654** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **46, 64.621, 30.836**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **54, 32.425, 197.442** is the 20% darker color. If you saturate the color by 10%, you get **73, 39.625, 196.510**, and if you desaturate by 10%, it is **73, 34.630, 196.860**.

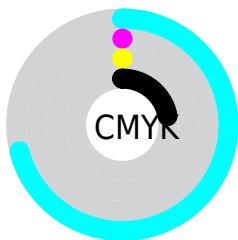
Distribution



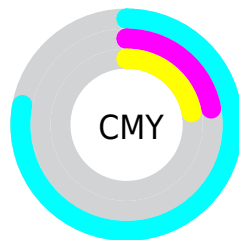
- Red (22%)
- Green (78%)
- Blue (78%)



- Red (22%)
- Yellow (50%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (78%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 37.575, 196.654 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, 37.575, 196.654 by changing the saturation by 10% instead.


 73, 37.575,
196.654


 73, 37.575,
196.654


 100, 37.575,
196.654


 63, 37.575,
196.654


 93, 37.575,
196.654

 53, 37.575,
196.654

 43, 37.575,
196.654

 33, 37.575,
196.654

 23, 37.575,
196.654

 13, 37.575,
196.654

 3, 37.575, 196.654

0, 37.575, 196.654

73, 37.575,
196.654

73, 37.575,
196.654

73, 39.625,
196.510

73, 34.630,
196.860

73, 40.834,
196.426

74, 30.796,
197.134

72, 41.374,
196.389

75, 26.124,
197.472

76, 20.699,
197.873

77, 14.628,
198.333

78, 8.025, 198.861

■ 80, 1.005, 199.873

■ 81, 6.326, 19.811

■ 83, 13.876, 20.451

Harmonies

Complementary

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



73, 37.575, 196.654



46, 64.621, 30.836

Rectangle

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



73, 37.575, 196.654



73, 37.575, 246.654



73, 37.575, 16.654



73, 37.575, 66.654

Sweetspot

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



73, 37.575, 196.653



97, 17.657, 198.337



70, 85.166, 137.984



51, 11.839, 198.202



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, 37.575, 196.653



91, 48.976, 196.453



52, 43.150, 271.968



41, 4.034, 198.980



61, 35.888, 196.389



12, 12.983, 196.388

Inverse Universe

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



51, 83.589, 327.802



61, 111.896, 328.124



59, 52.635, 66.306



39, 7.382, 324.932



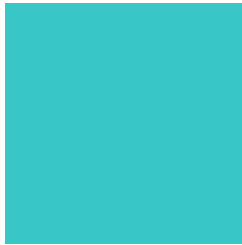
39, 82.759, 328.233



4, 26.741, 327.026

Previews

White Background



This preview shows how the CIELCh color 73, 37.575, 196.654 looks on a white background.

Color Contrast Check

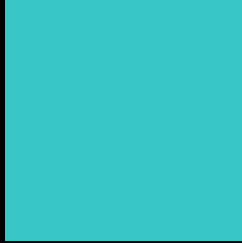
Large Text (above 18pt) WCAG AA × Fail

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, 37.575, 196.654 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

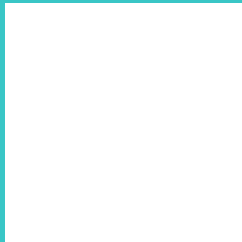
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 37.575, 196.654

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.575, 196.654.

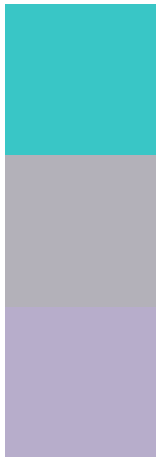


This preview shows how white text looks on a background with the CIELCh color 73, 37.575, 196.654.

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

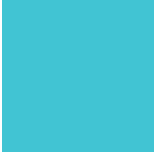
73, 37.575, 196.654

Protanopia

73, 4.428, 300.171

Deuteranopia

72, 16.785, 303.901



Tritanopia
73, 35.089, 210.568

Trichromacy



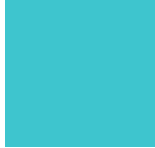
Original Color
73, 37.575, 196.654



Protanomaly
72, 17.376, 207.189



Deuteranomaly
72, 17.778, 234.342



Tritanomaly
73, 35.870, 204.771

Monochromacy



Original Color
73, 37.575, 196.654



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 17.907, 197.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.575, 196.654 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(57, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(57, 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(57, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 198, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.575, 196.654 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(57, 198, 198) }
```

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

```
.border{ border-color:rgb(57, 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(57, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(57, 198,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.575, 196.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 198, 198) }
```

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

```
.background{ background-color: rgb(57, 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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