

Converting Colors

CIELCh(73, 31.003, 172.128)

Have a look what the booklet for
CIELCh(73, 31.003, 172.128)
contains.

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Color

CIELCh(73, 31.017, 172.103)

Conversions

Conversions Part 1

Format	Color
Hex	70C2AA
RGB	112, 194, 170
RGB Percent	44%, 76%, 67%
CMY	0.5591, 0.2375, 0.3317
CMYK	0.42, 0.00, 0.12, 0.24
HSL	162°, 40%, 60%
HSV	162°, 42%, 76%
XYZ	33.4176, 45.1644, 45.1919
YIQ	166.7460, -41.1680, -24.8480

Conversions

Conversions Part 2

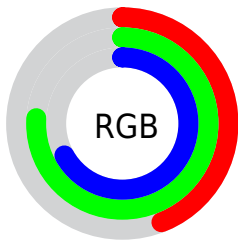
Format	Color
RYB	112, 160, 194
Decimal	7389866
CIELab	73.00, -30.72, 4.26
CIELCh	73, 31.017, 172.103
Yxy	45.1644, 0.2700, 0.3649
Android (android.graphics.Color)	4285579946 (0xFF70C2AA)
YUV	166.7460, 1.6042, -48.0122
Hunter-Lab	67.2044, -28.8481, 7.1733

Details

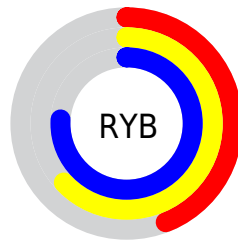
The CIELCh color **73, 31.017, 172.103** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 35.306, 1.665**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 31.232, 171.909**, and **53, 31.028, 172.099** is the 20% darker color. If you saturate the color by 10%, you get **72, 37.287, 170.805**, and if you desaturate by 10%, it is **74, 24.197, 173.280**.

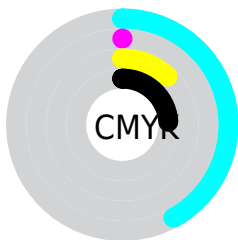
Distribution



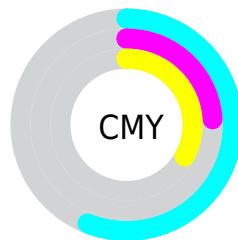
- Red (44%)
- Green (76%)
- Blue (67%)



- Red (44%)
- Yellow (63%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 31.017, 172.103 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, 31.017, 172.103 by changing the saturation by 10% instead.


 73, 31.017,
172.103


 73, 31.017,
172.103


 100, 31.017,
172.103


 63, 31.017,
172.103


 93, 31.017,
172.103


 53, 31.017,
172.103

 43, 31.017,
172.103

 33, 31.017,
172.103

 23, 31.017,
172.103

 13, 31.017,
172.103

 3, 31.017, 172.103

0, 31.017, 172.103

73, 31.017,
172.103

73, 31.017,
172.103

72, 37.287,
170.805

74, 24.197,
173.280

71, 42.886,
169.367

75, 16.953,
174.365

71, 47.724,
167.763

77, 9.414, 175.382

70, 51.757,
165.971

78, 1.692, 176.539

70, 55.006,
163.981

80, 6.115, 357.057

82, 13.928,
357.926

70, 57.156,
162.346

84, 21.686,
358.724

■ 84, 24.938,
354.676

■ 85, 26.233,
348.727

Harmonies

Complementary

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



73, 31.017, 172.103



57, 35.306, 1.665

Rectangle

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



73, 31.017, 172.103



73, 31.017, 222.103



73, 31.017, 352.103



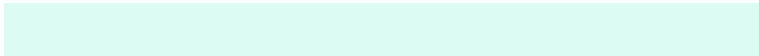
73, 31.017, 42.103

Sweetspot

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



73, 31.018, 172.101



97, 12.411, 175.280



73, 48.889, 133.635



52, 8.736, 175.054



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, 31.018, 172.101



91, 45.107, 170.857



69, 22.317, 221.938



40, 4.380, 175.665



59, 49.361, 162.678



10, 15.555, 168.501

Inverse Universe

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



57, 35.306, 1.665



68, 52.855, 3.536



60, 30.319, 39.501



38, 4.503, 357.281



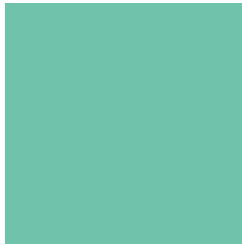
33, 62.063, 21.088



3, 14.587, 3.838

Previews

White Background



This preview shows how the CIELCh color 73, 31.017, 172.103 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, 31.017, 172.103 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

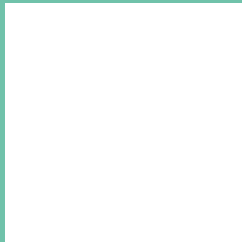
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 31.017, 172.103

Background



This preview shows how black text looks on a background with the CIELCh color 73, 31.017, 172.103.

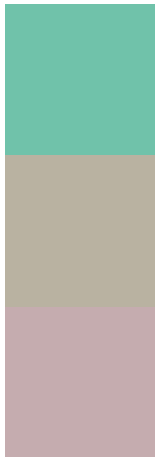


This preview shows how white text looks on a background with the CIELCh color 73, 31.017, 172.103.

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, 31.017, 172.103

Protanopia
73, 9.582, 92.727

Deuteranopia
73, 9.702, 10.601

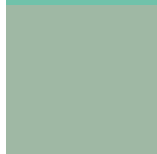


Tritanopia
73, 22.954, 218.847

Trichromacy



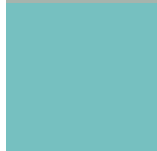
Original Color
73, 31.017, 172.103



Protanomaly
72, 14.437, 149.646



Deuteranomaly
72, 6.493, 163.071

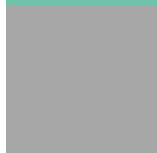


Tritanomaly
73, 24.078, 197.582

Monochromacy



Original Color
73, 31.017, 172.103



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 12.136, 174.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 31.017, 172.103 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(112, 194, 170)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 170)  
}
```

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(112, 194, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 31.017, 172.103 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(112, 194, 170) }
```

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

```
.border{ border-color:rgb(112, 194, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 194, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 170);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 31.017, 172.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 170) }
```

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

```
.background{ background-color: rgb(112,  
194, 170) }
```

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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