

Converting Colors

CIELCh(72, 40.357, 190.289)

Have a look what the booklet for
CIELCh(72, 40.357, 190.289)
contains.

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Color

CIELCh(72, 40.395, 190.135)

Conversions

Conversions Part 1

Format	Color
Hex	28C4BC
RGB	40, 196, 188
RGB Percent	16%, 77%, 74%
CMY	0.8417, 0.2306, 0.2620
CMYK	0.79, 0.00, 0.04, 0.23
HSL	177°, 66%, 46%
HSV	177°, 79%, 77%
XYZ	29.7662, 43.6590, 54.5365
YIQ	148.4440, -90.4080, -35.5600

Conversions

Conversions Part 2

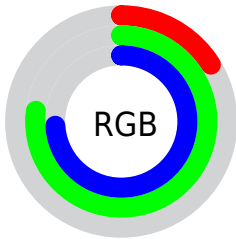
Format	Color
RYB	40, 120, 196
Decimal	2671804
CIELab	72.00, -39.76, -7.11
CIELCh	72, 40.395, 190.135
Yxy	43.6590, 0.2326, 0.3412
Android (android.graphics.Color)	4280861884 (0xFF28C4BC)
YUV	148.4440, 19.5011, -95.1054
Hunter-Lab	66.0750, -35.2186, -2.6839

Details

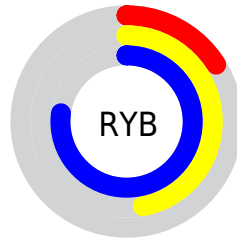
The CIELCh color **72, 40.395, 190.135** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **44, 69.537, 30.423**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 40.246, 190.199**, and **53, 33.356, 190.197** is the 20% darker color. If you saturate the color by 10%, you get **72, 41.996, 189.491**, and if you desaturate by 10%, it is **72, 37.937, 190.753**.

Distribution



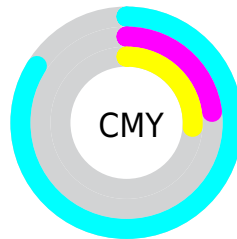
- Red (16%)
- Green (77%)
- Blue (74%)



- Red (16%)
- Yellow (47%)
- Blue (77%)



- Cyan (79%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (84%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.395, 190.135 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 72, 40.395, 190.135 by changing the saturation by 10% instead.


 72, 40.395,
190.135


 72, 40.395,
190.135


 100, 40.395,
190.135


 62, 40.395,
190.135


 92, 40.395,
190.135

 52, 40.395,
190.135

 42, 40.395,
190.135

 32, 40.395,
190.135

 22, 40.395,
190.135

 12, 40.395,
190.135

 2, 40.395, 190.135

■ 0, 40.395, 190.135

■ 72, 40.395,
190.135

■ 72, 40.395,
190.135

■ 72, 41.996,
189.491

■ 72, 37.937,
190.753

■ 72, 42.909,
188.820

■ 73, 34.593,
191.363

■ 72, 42.956,
188.782

■ 74, 30.387,
191.975

■ 74, 25.387,
192.595

■ 75, 19.692,
193.231

■ 77, 13.416,
193.888

■ 78, 6.676, 194.587

■ 79, 0.414, 13.880

■ 81, 7.755, 15.785

Harmonies

Complementary

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



72, 40.395, 190.135



44, 69.537, 30.423

Rectangle

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



72, 40.395, 190.135



72, 40.395, 240.135



72, 40.395, 10.135



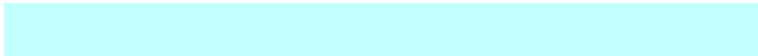
72, 40.395, 60.135

Sweetspot

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



72, 40.395, 190.134



96, 20.204, 193.560



70, 89.565, 136.451



51, 13.717, 193.324



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 40.395, 190.134



91, 51.970, 189.017



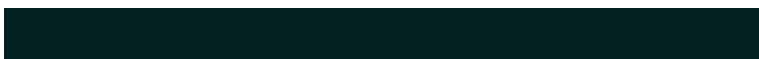
52, 42.460, 267.287



40, 3.975, 194.592



60, 37.014, 188.888



11, 12.818, 190.623

Inverse Universe

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



44, 69.537, 30.423



54, 99.681, 37.161



55, 59.042, 59.200



38, 4.192, 15.762



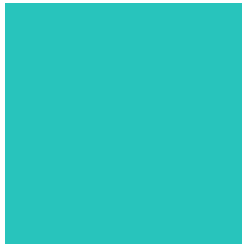
33, 71.725, 37.617



3, 14.025, 16.598

Previews

White Background



This preview shows how the CIELCh color 72, 40.395, 190.135 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 CIE LCh color 72, 40.395, 190.135, 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

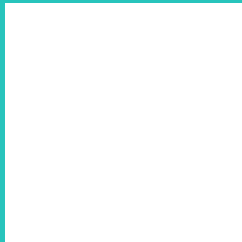
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 40.395, 190.135

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.395, 190.135.



This preview shows how white text looks on a background with the CIELCh color 72, 40.395, 190.135.

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
72, 35.557, 211.303

Trichromacy



Original Color
72, 40.395, 190.135



Protanomaly
70, 18.591, 194.532



Deuteranomaly
70, 17.402, 220.549

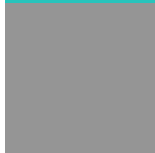


Tritanomaly
72, 36.815, 202.748

Monochromacy



Original Color
72, 40.395, 190.135



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.736, 192.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.395, 190.135 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(40, 196, 188)` looks like.

```
.text, #text, p{  
    color:rgb(40, 196, 188)  
}
```

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(40, 196, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 196, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.395, 190.135 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(40, 196, 188) }
```

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

```
.border{ border-color:rgb(40, 196, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 196, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 196, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 196, 188);  
box-shadow:4px 4px 4px 4px rgb(40, 196,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.395, 190.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 196, 188) }
```

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

```
.background{ background-color: rgb(40, 196,  
188) }
```

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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