

# Converting Colors

CIELCh(72, 40.022, 191.692)

Have a look what the booklet for  
CIELCh(72, 40.022, 191.692)  
contains.

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**Color**

**CIELCh(72, 40.022, 191.693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28C4BE
RGB	40, 196, 190
RGB Percent	16%, 77%, 75%
CMY	0.8429, 0.2313, 0.2548
CMYK	0.80, 0.00, 0.03, 0.23
HSL	178°, 66%, 46%
HSV	178°, 80%, 77%
XYZ	29.9172, 43.6590, 55.5761
YIQ	148.6720, -91.0500, -34.9380

# Conversions

## Conversions Part 2

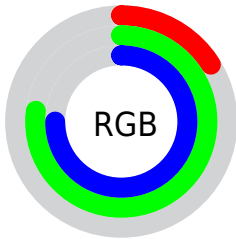
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 120, 196
Decimal	2671806
CIELab	72.00, -39.19, -8.11
CIELCh	72, 40.022, 191.693
Yxy	43.6590, 0.2316, 0.3380
Android (android.graphics.Color)	4280861886 (0xFF28C4BE)
YUV	148.6720, 20.3747, -95.3053
Hunter-Lab	66.0750, -34.8106, -3.6167

# Details

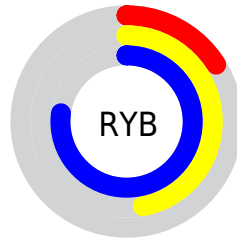
The CIELCh color **72, 40.022, 191.693** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **43, 70.127, 31.310**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 39.933, 191.677**, and **53, 32.950, 192.214** is the 20% darker color. If you saturate the color by 10%, you get **72, 41.542, 191.177**, and if you desaturate by 10%, it is **72, 37.646, 192.203**.

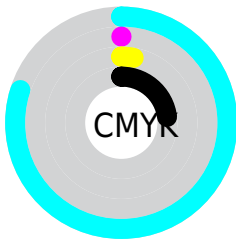
# Distribution



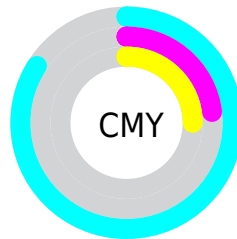
- Red (16%)
- Green (77%)
- Blue (75%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)




- Cyan (84%)
- Magenta (23%)
- Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.022, 191.693 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, 40.022, 191.693 by changing the saturation by 10% instead.





 72, 40.022,  
191.693


 72, 40.022,  
191.693


 100, 40.022,  
191.693


 62, 40.022,  
191.693


 92, 40.022,  
191.693

 52, 40.022,  
191.693

 42, 40.022,  
191.693

 32, 40.022,  
191.693

 22, 40.022,  
191.693

 12, 40.022,  
191.693

 2, 40.022, 191.693

0, 40.022, 191.693

72, 40.022,  
191.693

72, 40.022,  
191.693

72, 41.542,  
191.177

72, 37.646,  
192.203

72, 42.383,  
190.652

73, 34.382,  
192.721

72, 42.415,  
190.629

74, 30.252,  
193.256

74, 25.321,  
193.813

75, 19.685,  
194.397

76, 13.457,  
195.010

■ 78, 6.753, 195.672

■ 79, 0.313, 14.512

■ 81, 7.640, 16.817

# Harmonies

# Complementary

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



72, 40.022, 191.693



43, 70.127, 31.310

# Rectangle

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



72, 40.022, 191.693



72, 40.022, 241.693



72, 40.022, 11.693



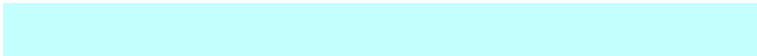
72, 40.022, 61.693

# Sweetspot

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



72, 40.022, 191.692



96, 20.134, 194.711



70, 89.845, 136.645



51, 13.665, 194.491



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, 40.022, 191.692



91, 51.373, 190.813



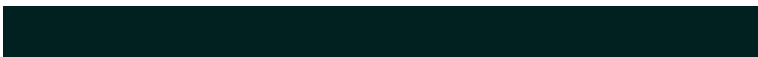
51, 43.670, 269.461



40, 3.966, 195.687



60, 36.579, 190.710



11, 12.715, 192.037



# Inverse Universe

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



43, 70.127, 31.310



54, 100.353, 37.700



55, 58.882, 60.616



38, 4.189, 16.804



33, 72.218, 38.157

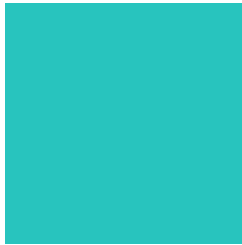


3, 14.016, 17.301



# Previews

## White Background



This preview shows how the CIELCh color 72, 40.022, 191.693 looks on a white background.

## Color Contrast Check

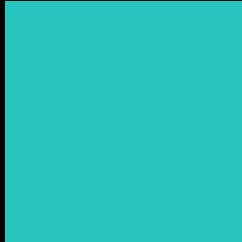
Large Text (above 18pt) WCAG AA × Fail

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 72, 40.022, 191.693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

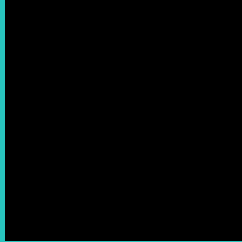
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

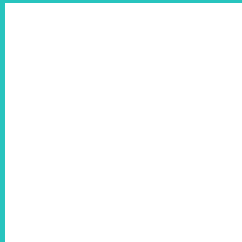
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 72, 40.022, 191.693

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.022, 191.693.

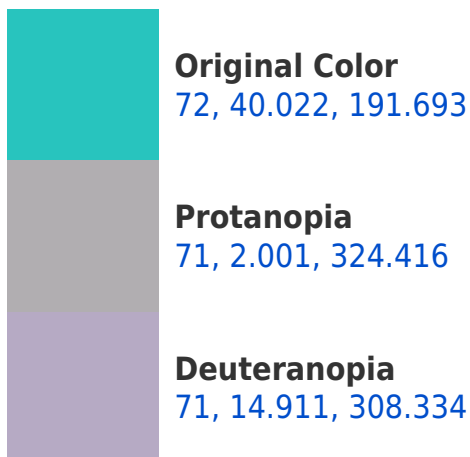


This preview shows how white text looks on a background with the CIELCh color 72, 40.022, 191.693.

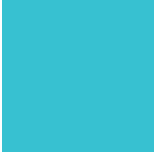
# Color Blindness Simulation

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, 35.792, 211.192

# Trichromacy



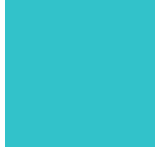
**Original Color**  
72, 40.022, 191.693



**Protanomaly**  
70, 18.726, 197.930



**Deuteranomaly**  
70, 17.905, 225.772



**Tritanomaly**  
72, 36.848, 203.615

# Monochromacy



**Original Color**  
72, 40.022, 191.693



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
64, 19.621, 194.456

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 40.022, 191.693 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(40, 196, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 196, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 40.022, 191.693 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, 190) }
```

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

```
.border{ border-color:rgb(40, 196, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(40, 196,  
190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 40.022, 191.693 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, 190) }
```

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

```
.background{ background-color: rgb(40, 196,  
190) }
```

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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