

Converting Colors

CIELCh(70, 61.604, 187.675)

Have a look what the booklet for
CIELCh(70, 61.604, 187.675)
contains.

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Color

CIELCh(72, 44.099, 186.089)

Conversions

Conversions Part 1

Format	Color
Hex	00C6B8
RGB	0, 198, 184
RGB Percent	0%, 78%, 72%
CMY	1.0000, 0.2249, 0.2798
CMYK	1.00, 0.00, 0.07, 0.22
HSL	176°, 100%, 39%
HSV	176°, 100%, 78%
XYZ	28.7046, 43.6590, 52.0710
YIQ	137.2020, -113.5140, -46.3300

Conversions

Conversions Part 2

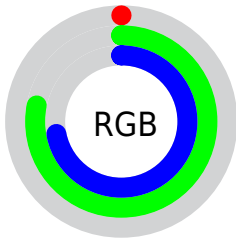
Format	Color
RYB	0, 103, 198
Decimal	50872
CIELab	72.00, -43.85, -4.68
CIELCh	72, 44.099, 186.089
Yxy	43.6590, 0.2307, 0.3509
Android (android.graphics.Color)	4278240952 (0xFF00C6B8)
YUV	137.2020, 23.0714, -120.3262
Hunter-Lab	66.0750, -38.0865, -0.4715

Details

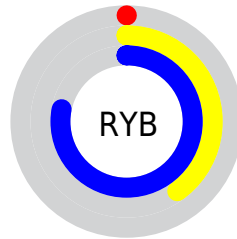
The CIELCh color **72, 44.099, 186.089** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **41, 83.403, 37.391**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 43.926, 186.424**, and **53, 35.091, 184.588** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.043, 186.079**, and if you desaturate by 10%, it is **72, 43.036, 186.956**.

Distribution



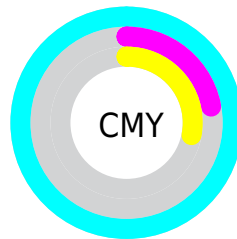
- Red (0%)
- Green (78%)
- Blue (72%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 44.099, 186.089 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, 44.099, 186.089 by changing the saturation by 10% instead.


 72, 44.099,
186.089


 72, 44.099,
186.089


 100, 44.099,
186.089

 62, 44.099,
186.089

 92, 44.099,
186.089

 52, 44.099,
186.089

 42, 44.099,
186.089

 32, 44.099,
186.089

 22, 44.099,
186.089

 12, 44.099,
186.089

 2, 44.099, 186.089

■ 0, 44.099, 186.089

■ 72, 44.099,
186.089

■ 72, 44.099,
186.089

■ 72, 44.043,
186.079

■ 72, 43.036,
186.956

■ 72, 41.362,
187.783

■ 73, 38.832,
188.559

■ 73, 35.413,
189.300

■ 74, 31.131,
190.020

■ 75, 26.056,
190.730

■ 76, 20.289,
191.440

■ 77, 13.944,
192.156

■ 78, 7.143, 192.901

Harmonies

Complementary

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



72, 44.099, 186.089



41, 83.403, 37.391

Rectangle

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



72, 44.099, 186.089



72, 44.099, 236.089



72, 44.099, 6.089



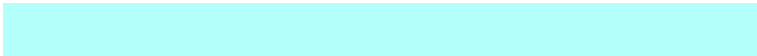
72, 44.099, 56.089

Sweetspot

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



72, 44.043, 186.079



95, 24.912, 191.407



70, 98.409, 135.675



50, 16.738, 191.103



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, 44.043, 186.079



91, 53.415, 185.933



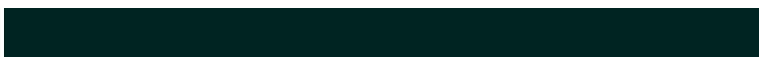
47, 50.507, 274.838



41, 4.077, 192.949



60, 38.171, 186.213



12, 13.597, 188.347

Inverse Universe

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



41, 83.403, 37.391



53, 101.739, 37.938



50, 73.328, 54.079



39, 4.291, 14.198



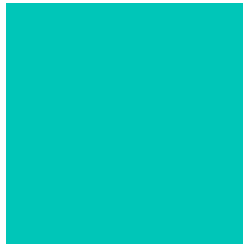
34, 71.863, 36.837



3, 15.931, 15.737

Previews

White Background



This preview shows how the CIELCh color 72, 44.099, 186.089 looks on a white background.

Color Contrast Check

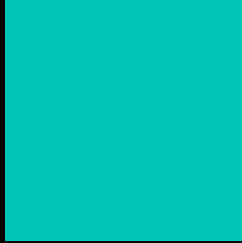
Large Text (above 18pt) WCAG AA × Fail

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, 44.099, 186.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

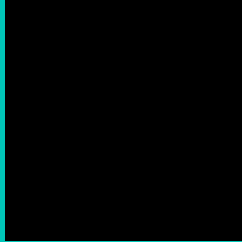
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

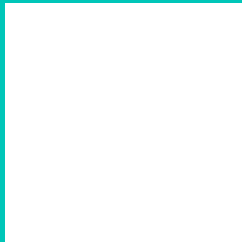
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 44.099, 186.089

Background



This preview shows how black text looks on a background with the CIELCh color 72, 44.099, 186.089.

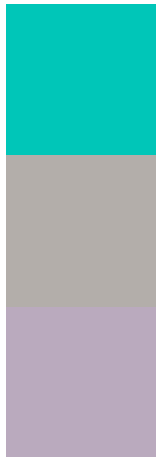


This preview shows how white text looks on a background with the CIELCh color 72, 44.099, 186.089.

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

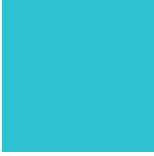
72, 44.099, 186.089

Protanopia

71, 2.872, 68.484

Deuteranopia

71, 12.451, 319.256



Tritanopia
72, 36.815, 210.715

Trichromacy



Original Color
72, 44.099, 186.089



Protanomaly
70, 23.801, 186.816



Deuteranomaly
70, 20.636, 210.240



Tritanomaly
72, 39.057, 200.609

Monochromacy



Original Color
72, 44.099, 186.089



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 24.210, 190.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 44.099, 186.089 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(0, 198, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 184)  
}
```

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(0, 198, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 44.099, 186.089 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(0, 198, 184) }
```

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

```
.border{ border-color:rgb(0, 198, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 44.099, 186.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 184) }
```

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

```
.background{ background-color: rgb(0, 198,  
184) }
```

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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