

Converting Colors

CIELCh(67, 99.847, 183.808)

Have a look what the booklet for
CIELCh(67, 99.847, 183.808)
contains.

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Color

CIELCh(72, 47.792, 177.881)

Conversions

Conversions Part 1

Format	Color
Hex	00C7AC
RGB	0, 199, 172
RGB Percent	0%, 78%, 67%
CMY	1.0000, 0.2206, 0.3263
CMYK	1.00, 0.00, 0.14, 0.22
HSL	172°, 100%, 39%
HSV	172°, 100%, 78%
XYZ	27.7127, 43.6590, 45.8955
YIQ	136.4210, -109.9370, -50.5850

Conversions

Conversions Part 2

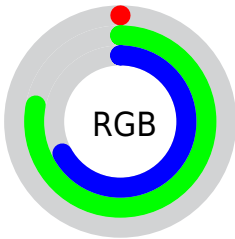
Format	Color
RYB	0, 107, 199
Decimal	51116
CIELab	72.00, -47.76, 1.77
CIELCh	72, 47.792, 177.881
Yxy	43.6590, 0.2363, 0.3723
Android (android.graphics.Color)	4278241196 (0xFF00C7AC)
YUV	136.4210, 17.5404, -119.6412
Hunter-Lab	66.0750, -40.7659, 5.0698

Details

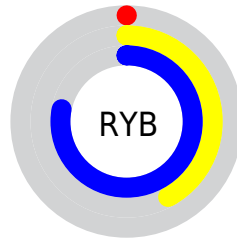
The CIELCh color **72, 47.792, 177.881** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 80.609, 34.110**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 47.045, 178.431**, and **53, 38.787, 174.719** is the 20% darker color. If you saturate the color by 10%, you get **72, 47.598, 177.820**, and if you desaturate by 10%, it is **72, 46.132, 179.249**.

Distribution



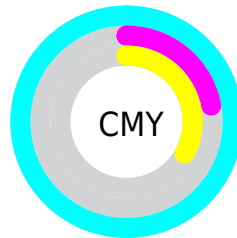
- Red (0%)
- Green (78%)
- Blue (67%)



- Red (0%)
- Yellow (42%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 47.792, 177.881 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, 47.792, 177.881 by changing the saturation by 10% instead.


 72, 47.792,
177.881


 72, 47.792,
177.881


 100, 47.792,
177.881


 62, 47.792,
177.881


 92, 47.792,
177.881

 52, 47.792,
177.881

 42, 47.792,
177.881

 32, 47.792,
177.881

 22, 47.792,
177.881

 12, 47.792,
177.881

 2, 47.792, 177.881

■ 0, 47.792, 177.881

■ 72, 47.792,
177.881

■ 72, 47.792,
177.881

■ 72, 47.598,
177.820

■ 72, 46.132,
179.249

■ 72, 44.004,
180.574

■ 73, 41.028,
181.778

■ 73, 37.179,
182.880

■ 74, 32.492,
183.901

■ 75, 27.048,
184.860

■ 76, 20.955,
185.774

■ 77, 14.336,
186.656

■ 79, 7.311, 187.534

Harmonies

Complementary

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



72, 47.792, 177.881



42, 80.609, 34.110

Rectangle

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



72, 47.792, 177.881



72, 47.792, 227.881



72, 47.792, 357.881



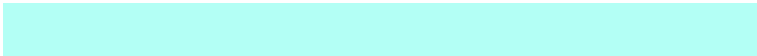
72, 47.792, 47.881

Sweetspot

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



72, 47.598, 177.820



95, 25.621, 185.734



70, 98.199, 135.210



50, 17.251, 185.347



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, 47.598, 177.820



90, 57.563, 177.583



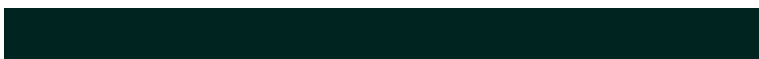
52, 44.429, 265.126



41, 4.153, 187.590



60, 41.027, 178.048



12, 14.337, 181.671

Inverse Universe

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



42, 80.609, 34.110



53, 98.049, 34.853



48, 76.394, 49.870



39, 4.340, 9.035



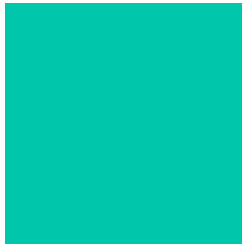
34, 69.086, 33.357



3, 16.030, 12.412

Previews

White Background



This preview shows how the CIELCh color 72, 47.792, 177.881 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, 47.792, 177.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

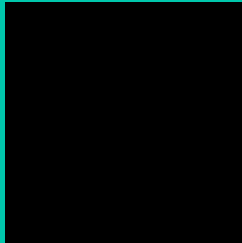
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

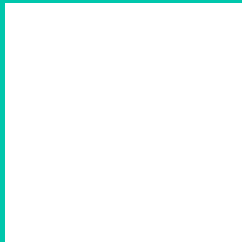
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 47.792, 177.881

Background



This preview shows how black text looks on a background with the CIELCh color 72, 47.792, 177.881.

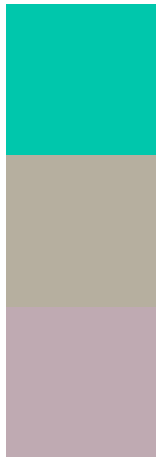


This preview shows how white text looks on a background with the CIELCh color 72, 47.792, 177.881.

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, 47.650, 177.806

Protanopia

72, 9.092, 91.816

Deuteranopia

72, 9.074, 351.567



Tritanopia
72, 35.906, 211.138

Trichromacy



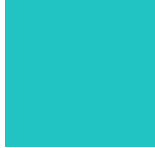
Original Color
72, 47.650, 177.806



Protanomaly
70, 26.342, 172.657



Deuteranomaly
69, 20.041, 191.461



Tritanomaly
72, 39.392, 196.496

Monochromacy



Original Color
72, 47.650, 177.806



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 25.148, 184.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 47.792, 177.881 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, 199, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 172)  
}
```

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, 199, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 47.792, 177.881 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, 199, 172) }
```

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

```
.border{ border-color:rgb(0, 199, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 47.792, 177.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 172) }
```

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

```
.background{ background-color: rgb(0, 199,  
172) }
```

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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