

Converting Colors

CIELCh(68, 90.882, 177.481)

Have a look what the booklet for
CIELCh(68, 90.882, 177.481)
contains.

CIELCh(72, 53.670, 168.374)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 53.670, 168.374)

Conversions

Conversions Part 1

Format	Color
Hex	00C89B
RGB	0, 200, 155
RGB Percent	0%, 78%, 61%
CMY	1.0000, 0.2156, 0.3918
CMYK	1.00, 0.00, 0.22, 0.22
HSL	167°, 100%, 39%
HSV	167°, 100%, 78%
XYZ	26.5241, 43.6590, 38.0786
YIQ	135.0700, -104.7550, -56.3950

Conversions

Conversions Part 2

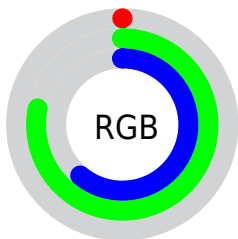
Format	Color
RYB	0, 113, 200
Decimal	51355
CIELab	72.00, -52.57, 10.82
CIELCh	72, 53.670, 168.374
Yxy	43.6590, 0.2450, 0.4033
Android (android.graphics.Color)	4278241435 (0xFF00C89B)
YUV	135.0700, 9.8255, -118.4564
Hunter-Lab	66.0750, -43.9769, 12.0840

Details

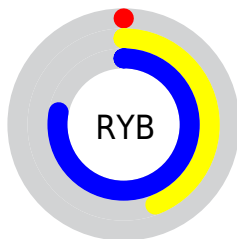
The CIELCh color **72, 53.670, 168.374** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 76.388, 27.877**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 52.356, 169.061**, and **53, 45.076, 163.702** is the 20% darker color. If you saturate the color by 10%, you get **72, 53.524, 168.306**, and if you desaturate by 10%, it is **72, 51.297, 170.206**.

Distribution



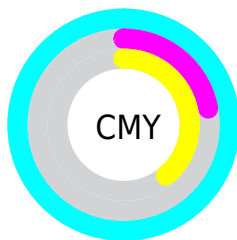
- Red (0%)
- Green (78%)
- Blue (61%)



- Red (0%)
- Yellow (44%)
- Blue (78%)



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





- Cyan (100%)
- Magenta (22%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 53.670, 168.374 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, 53.670, 168.374 by changing the saturation by 10% instead.


 72, 53.670,
168.374


 72, 53.670,
168.374


 100, 53.670,
168.374


 62, 53.670,
168.374


 92, 53.670,
168.374

 52, 53.670,
168.374

 42, 53.670,
168.374

 32, 53.670,
168.374

 22, 53.670,
168.374

 12, 53.670,
168.374

 2, 53.670, 168.374

■ 0, 53.670, 168.374

■ 72, 53.670,
168.374

■ 72, 53.670,
168.374

■ 72, 53.524,
168.306

■ 72, 51.297,
170.206

■ 73, 48.423,
171.970

■ 73, 44.720,
173.558

■ 74, 40.173,
174.986

■ 74, 34.830,
176.278

■ 75, 28.782,
177.458

■ 76, 22.149,
178.549

■ 78, 15.058,
179.570

■ 79, 7.636, 180.553

Harmonies

Complementary

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



72, 53.670, 168.374



42, 76.388, 27.877

Rectangle

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



72, 53.670, 168.374



72, 53.670, 218.374



72, 53.670, 348.374



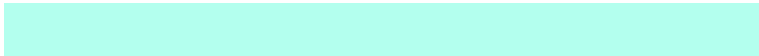
72, 53.670, 38.374

Sweetspot

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



72, 53.524, 168.306



95, 26.948, 178.503



71, 97.475, 134.280



50, 18.196, 178.045



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, 53.524, 168.306



90, 64.531, 168.000



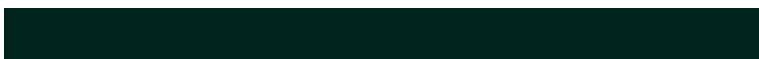
57, 38.947, 249.938



41, 4.313, 180.614



60, 45.827, 168.620



11, 15.573, 173.611

Inverse Universe

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



42, 76.388, 27.877



54, 92.372, 28.747



45, 80.287, 45.760



39, 4.464, 2.206



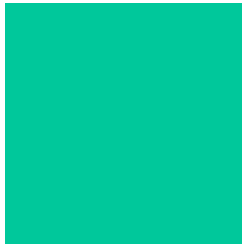
34, 65.214, 26.969



3, 16.253, 7.927

Previews

White Background



This preview shows how the CIELCh color 72, 53.670, 168.374 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, 53.670, 168.374 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, 53.670, 168.374

Background



This preview shows how black text looks on a background with the CIELCh color 72, 53.670, 168.374.

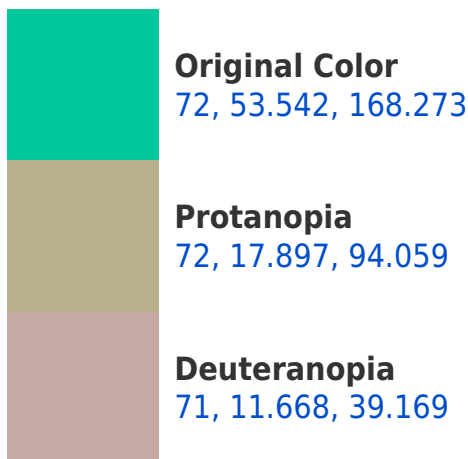


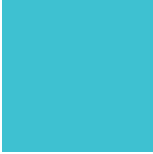
This preview shows how white text looks on a background with the CIELCh color 72, 53.670, 168.374.

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



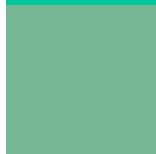


Tritanopia
72, 34.934, 211.604

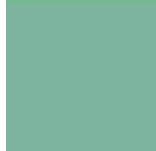
Trichromacy



Original Color
72, 53.542, 168.273



Protanomaly
70, 31.629, 157.233

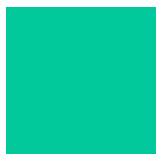


Deuteranomaly
69, 23.111, 167.580

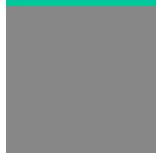


Tritanomaly
72, 40.296, 190.916

Monochromacy



Original Color
72, 53.542, 168.273



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 27.137, 176.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 53.670, 168.374 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, 200, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 155)  
}
```

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, 200, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 53.670, 168.374 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, 200, 155) }
```

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

```
.border{ border-color:rgb(0, 200, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 53.670, 168.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 155) }
```

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

```
.background{ background-color: rgb(0, 200,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor