

Converting Colors

CIELCh(73, 57.958, 163.771)

Have a look what the booklet for
CIELCh(73, 57.958, 163.771)
contains.

CIELCh(73, 57.942, 163.790)	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(73, 57.942, 163.790)

Conversions

Conversions Part 1

Format	Color
Hex	00CC94
RGB	0, 204, 148
RGB Percent	0%, 80%, 58%
CMY	1.0000, 0.2012, 0.4207
CMYK	1.00, 0.00, 0.27, 0.20
HSL	164°, 100%, 40%
HSV	164°, 100%, 80%
XYZ	26.8274, 45.1644, 35.2069
YIQ	136.6200, -103.6080, -60.6640

Conversions

Conversions Part 2

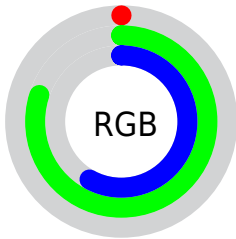
Format	Color
RYB	0, 118, 204
Decimal	52372
CIELab	73.00, -55.64, 16.18
CIELCh	73, 57.942, 163.790
Yxy	45.1644, 0.2503, 0.4213
Android (android.graphics.Color)	4278242452 (0xFF00CC94)
YUV	136.6200, 5.6103, -119.8157
Hunter-Lab	67.2044, -46.3521, 15.9824

Details

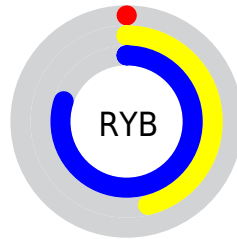
The CIELCh color **73, 57.942, 163.790** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **43, 75.187, 23.767**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 54.442, 165.791**, and **54, 49.406, 158.921** is the 20% darker color. If you saturate the color by 10%, you get **73, 57.899, 163.767**, and if you desaturate by 10%, it is **73, 55.191, 165.828**.

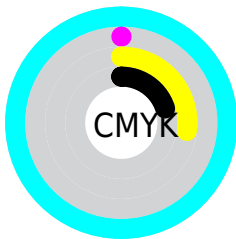
Distribution



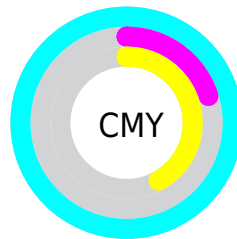
- Red (0%)
- Green (80%)
- Blue (58%)



- Red (0%)
- Yellow (46%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 57.942, 163.790 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 73, 57.942, 163.790 by changing the saturation by 10% instead.


 73, 57.942,
163.790

 73, 57.942,
163.790


 100, 57.942,
163.790


 63, 57.942,
163.790


 93, 57.942,
163.790

 53, 57.942,
163.790

 43, 57.942,
163.790

 33, 57.942,
163.790

 23, 57.942,
163.790

 13, 57.942,
163.790

 3, 57.942, 163.790

■ 0, 57.942, 163.790

■ 73, 57.942,
163.790

■ 73, 57.942,
163.790

■ 73, 57.899,
163.767

■ 73, 55.191,
165.828

■ 74, 51.830,
167.745

■ 74, 47.640,
169.469

■ 75, 42.609,
171.012

■ 75, 36.793,
172.399

■ 76, 30.291,
173.655

■ 78, 23.230,
174.802

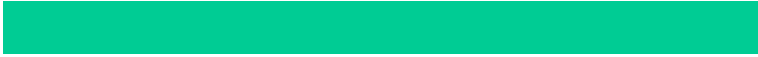
■ 79, 15.743,
175.864

■ 80, 7.959, 176.873

Harmonies

Complementary

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



73, 57.942, 163.790



43, 75.187, 23.767

Rectangle

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



73, 57.942, 163.790



73, 57.942, 213.790



73, 57.942, 343.790



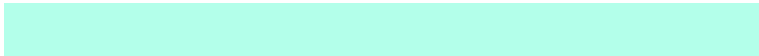
73, 57.942, 33.790

Sweetspot

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



73, 57.899, 163.767



95, 27.853, 174.759



72, 97.873, 133.527



50, 18.835, 174.279



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 57.899, 163.767



89, 68.894, 163.463



61, 37.508, 239.492



42, 4.522, 176.934



60, 49.419, 164.107



13, 17.118, 169.223

Inverse Universe

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



43, 75.187, 23.767



54, 89.530, 24.591



45, 83.375, 43.867



40, 4.657, 358.561



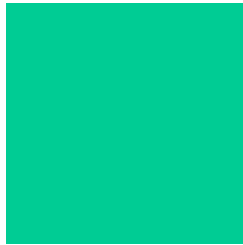
35, 64.138, 22.840



4, 18.452, 6.129

Previews

White Background



This preview shows how the CIELCh color 73, 57.942, 163.790 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 73, 57.942, 163.790 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 73, 57.942, 163.790

Background



This preview shows how black text looks on a background with the CIELCh color 73, 57.942, 163.790.

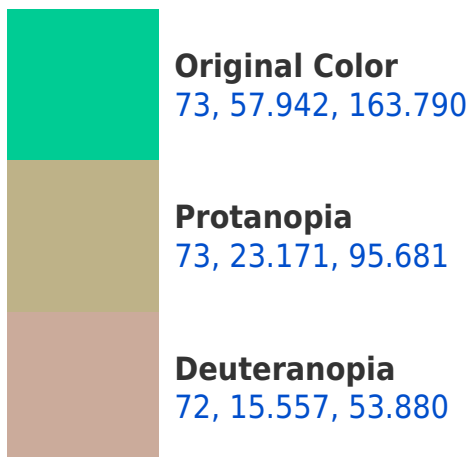


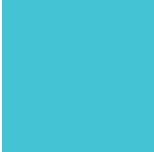
This preview shows how white text looks on a background with the CIELCh color 73, 57.942, 163.790.

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
73, 34.630, 211.741

Trichromacy



Original Color
73, 57.942, 163.790



Protanomaly
71, 35.544, 150.879



Deuteranomaly
70, 26.307, 157.295



Tritanomaly
73, 40.847, 188.649

Monochromacy



Original Color
73, 57.942, 163.790



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 28.538, 172.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 57.942, 163.790 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, 204, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 148)  
}
```

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, 204, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 57.942, 163.790 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, 204, 148) }
```

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

```
.border{ border-color:rgb(0, 204, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 57.942, 163.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 148) }
```

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

```
.background{ background-color: rgb(0, 204,  
148) }
```

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