

Converting Colors

CIELCh(71, 63.088, 157.566)

Have a look what the booklet for
CIELCh(71, 63.088, 157.566)
contains.

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Color

CIELCh(71, 63.011, 157.509)

Conversions

Conversions Part 1

Format	Color
Hex	00C780
RGB	0, 199, 128
RGB Percent	0%, 78%, 50%
CMY	1.0000, 0.2213, 0.4995
CMYK	1.00, 0.00, 0.36, 0.22
HSL	159°, 100%, 39%
HSV	159°, 100%, 78%
XYZ	24.1718, 42.1875, 27.1584
YIQ	131.4050, -95.8130, -64.2690

Conversions

Conversions Part 2

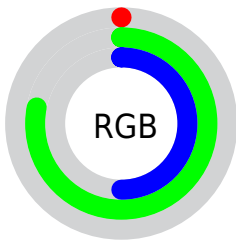
Format	Color
RYB	0, 121, 199
Decimal	51072
CIELab	71.00, -58.22, 24.10
CIELCh	71, 63.011, 157.509
Yxy	42.1875, 0.2585, 0.4511
Android (android.graphics.Color)	4278241152 (0xFF00C780)
YUV	131.4050, -1.6787, -115.2422
Hunter-Lab	64.9519, -47.2373, 20.6753

Details

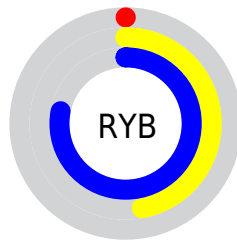
The CIELCh color **71, 63.011, 157.509** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 71.065, 16.077**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 62.107, 157.829**, and **52, 55.119, 151.838** is the 20% darker color. If you saturate the color by 10%, you get **71, 62.951, 157.473**, and if you desaturate by 10%, it is **71, 59.548, 159.663**.

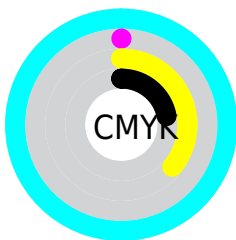
Distribution



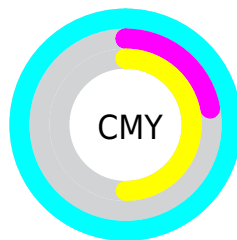
- Red (0%)
- Green (78%)
- Blue (50%)



- Red (0%)
- Yellow (47%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 63.011, 157.509 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 71, 63.011, 157.509 by changing the saturation by 10% instead.


 71, 63.011,
157.509


 71, 63.011,
157.509


 100, 63.011,
157.509


 61, 63.011,
157.509


 91, 63.011,
157.509

 51, 63.011,
157.509

 41, 63.011,
157.509

 31, 63.011,
157.509

 21, 63.011,
157.509

 11, 63.011,
157.509

 1, 63.011, 157.509

■ 0, 63.011, 157.509

■ 71, 63.011,
157.509

■ 71, 63.011,
157.509

■ 71, 62.951,
157.473

■ 71, 59.548,
159.663

■ 72, 55.510,
161.714

■ 72, 50.669,
163.558

■ 73, 45.026,
165.204

■ 74, 38.647,
166.670

■ 75, 31.642,
167.983

■ 76, 24.142,
169.168

■ 77, 16.284,
170.248

■ 78, 8.197, 171.257

Harmonies

Complementary

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



71, 63.011, 157.509



42, 71.065, 16.077

Rectangle

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



71, 63.011, 157.509



71, 63.011, 207.509



71, 63.011, 337.509



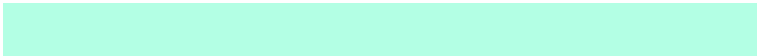
71, 63.011, 27.509

Sweetspot

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



71, 62.951, 157.473



95, 29.557, 169.118



71, 94.104, 131.846



50, 20.030, 168.623



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 62.951, 157.473



89, 76.483, 157.107



65, 36.264, 221.232



41, 4.656, 171.319



59, 54.088, 157.825



11, 17.683, 163.750

Inverse Universe

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



42, 71.065, 16.077



54, 86.067, 16.984



43, 84.341, 41.705



39, 4.760, 352.923



34, 61.262, 15.209



4, 16.791, 1.248

Previews

White Background



This preview shows how the CIELCh color 71, 63.011, 157.509 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 71, 63.011, 157.509 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 71, 63.011, 157.509

Background



This preview shows how black text looks on a background with the CIELCh color 71, 63.011, 157.509.

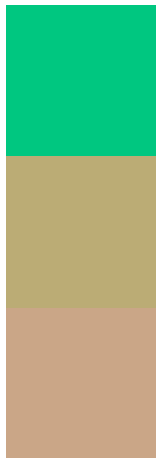


This preview shows how white text looks on a background with the CIELCh color 71, 63.011, 157.509.

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

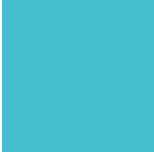
71, 63.011, 157.509

Protanopia

70, 30.387, 95.101

Deuteranopia

71, 22.770, 67.384



Tritanopia
71, 33.065, 212.604

Trichromacy



Original Color
71, 63.011, 157.509



Protanomaly
69, 41.062, 142.793



Deuteranomaly
68, 31.508, 144.238



Tritanomaly
70, 40.709, 184.574

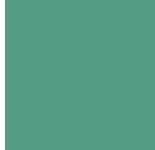
Monochromacy



Original Color
71, 63.011, 157.509



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 29.985, 167.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 63.011, 157.509 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 63.011, 157.509 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, 128) }
```

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

```
.border{ border-color:rgb(0, 199, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 63.011, 157.509 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, 128) }
```

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

```
.background{ background-color: rgb(0, 199,  
128) }
```

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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