

Converting Colors

CIELCh(71, 47.585, 176.233)

Have a look what the booklet for
CIELCh(71, 47.585, 176.233)
contains.

CIELCh(71, 47.595, 176.314)	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(71, 47.595, 176.314)

Conversions

Conversions Part 1

Format	Color
Hex	06C4A7
RGB	6, 196, 167
RGB Percent	2%, 77%, 65%
CMY	0.9772, 0.2323, 0.3460
CMYK	0.97, 0.00, 0.15, 0.23
HSL	171°, 94%, 40%
HSV	171°, 97%, 77%
XYZ	26.7101, 42.1875, 43.1809
YIQ	135.8840, -103.9310, -49.2990

Conversions

Conversions Part 2

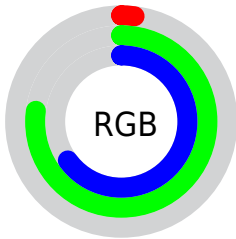
Format	Color
RYB	6, 109, 196
Decimal	443559
CIELab	71.00, -47.50, 3.06
CIELCh	71, 47.595, 176.314
Yxy	42.1875, 0.2383, 0.3764
Android (android.graphics.Color)	4278633639 (0xFF06C4A7)
YUV	135.8840, 15.3402, -113.9083
Hunter-Lab	64.9519, -40.2614, 6.0495

Details

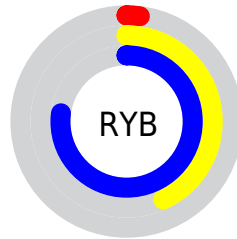
The CIELCh color **71, 47.595, 176.314** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **41, 77.062, 31.653**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 47.453, 176.540**, and **52, 39.022, 172.873** is the 20% darker color. If you saturate the color by 10%, you get **71, 48.046, 175.858**, and if you desaturate by 10%, it is **71, 45.873, 177.835**.

Distribution



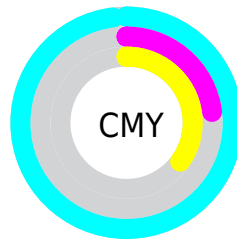
- Red (2%)
- Green (77%)
- Blue (65%)



- Red (2%)
- Yellow (43%)
- Blue (77%)



- Cyan (97%)
- Magenta (0%)
- Yellow (15%)
- Black (23%)





- Cyan (98%)
- Magenta (23%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 47.595, 176.314 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, 47.595, 176.314 by changing the saturation by 10% instead.


 71, 47.595,
176.314


 71, 47.595,
176.314


 100, 47.595,
176.314


 61, 47.595,
176.314


 91, 47.595,
176.314

 51, 47.595,
176.314

 41, 47.595,
176.314

 31, 47.595,
176.314

 21, 47.595,
176.314

 11, 47.595,
176.314

 1, 47.595, 176.314

■ 0, 47.595, 176.314

■ 71, 47.595,
176.314

■ 71, 47.595,
176.314

■ 71, 48.046,
175.858

■ 71, 45.873,
177.835

■ 72, 43.393,
179.220

■ 72, 40.066,
180.475

■ 73, 35.890,
181.622

■ 73, 30.916,
182.682

■ 74, 25.237,
183.674

■ 75, 18.965,
184.615

■ 77, 12.225,
185.523

■ 78, 5.135, 186.441

Harmonies

Complementary

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



71, 47.595, 176.314



41, 77.062, 31.653

Rectangle

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



71, 47.595, 176.314



71, 47.595, 226.314



71, 47.595, 356.314



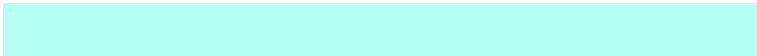
71, 47.595, 46.314

Sweetspot

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



71, 47.595, 176.313



95, 25.054, 184.391



69, 96.015, 135.010



50, 16.978, 183.984



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, 47.595, 176.313



90, 58.799, 175.585



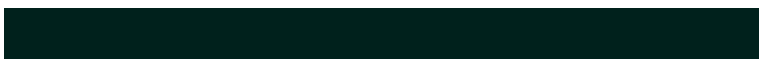
53, 41.722, 260.847



40, 4.090, 186.219



59, 41.385, 176.109



10, 13.797, 180.341

Inverse Universe

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



41, 77.062, 31.653



53, 96.962, 33.835



47, 74.260, 49.295



38, 4.266, 7.696



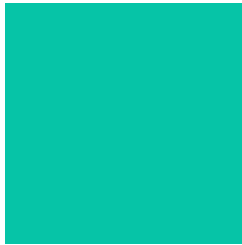
33, 67.483, 32.193



3, 14.174, 11.130

Previews

White Background



This preview shows how the CIE LCh color 71, 47.595, 176.314 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, 47.595, 176.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

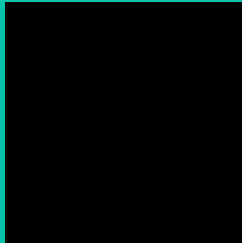
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

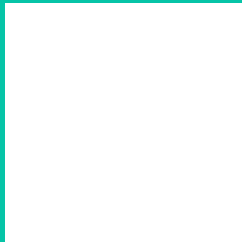
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 47.595, 176.314

Background



This preview shows how black text looks on a background with the CIELCh color 71, 47.595, 176.314.

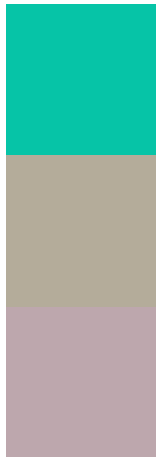


This preview shows how white text looks on a background with the CIELCh color 71, 47.595, 176.314.

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

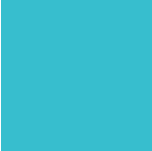
71, 47.627, 176.325

Protanopia

71, 10.283, 91.339

Deuteranopia

71, 9.016, 358.945



Tritanopia
71, 35.259, 211.466

Trichromacy



Original Color
71, 47.627, 176.325



Protanomaly
69, 25.902, 169.460



Deuteranomaly
68, 19.458, 187.983



Tritanomaly
71, 38.638, 196.517

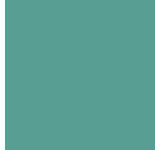
Monochromacy



Original Color
71, 47.627, 176.325



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 24.588, 182.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 47.595, 176.314 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(6, 196, 167)` looks like.

```
.text, #text, p{  
    color:rgb(6, 196, 167)  
}
```

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(6, 196, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 196, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 47.595, 176.314 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(6, 196, 167) }
```

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

```
.border{ border-color:rgb(6, 196, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 196, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 196, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 196, 167);  
box-shadow:4px 4px 4px 4px rgb(6, 196,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 47.595, 176.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 196, 167) }
```

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

```
.background{ background-color: rgb(6, 196,  
167) }
```

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