

Converting Colors

CIELCh(70, 46.424, 177.459)

Have a look what the booklet for
CIELCh(70, 46.424, 177.459)
contains.

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Color

CIELCh(70, 46.603, 177.279)

Conversions

Conversions Part 1

Format	Color
Hex	04C1A6
RGB	4, 193, 166
RGB Percent	2%, 76%, 65%
CMY	0.9832, 0.2445, 0.3504
CMYK	0.98, 0.00, 0.14, 0.24
HSL	171°, 96%, 39%
HSV	171°, 98%, 76%
XYZ	25.8954, 40.7494, 42.4126
YIQ	133.4110, -103.9770, -48.4650

Conversions

Conversions Part 2

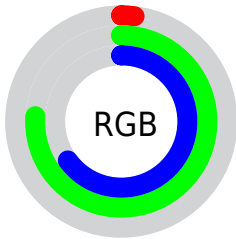
Format	Color
RYB	4, 106, 193
Decimal	311718
CIELab	70.00, -46.55, 2.21
CIELCh	70, 46.603, 177.279
Yxy	40.7494, 0.2374, 0.3737
Android (android.graphics.Color)	4278501798 (0xFF04C1A6)
YUV	133.4110, 16.0664, -113.4934
Hunter-Lab	63.8353, -39.3014, 5.2920

Details

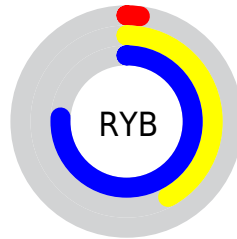
The CIELCh color **70, 46.603, 177.279** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **40, 76.990, 32.567**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 46.537, 177.473**, and **51, 37.909, 174.012** is the 20% darker color. If you saturate the color by 10%, you get **70, 46.922, 176.953**, and if you desaturate by 10%, it is **70, 45.006, 178.742**.

Distribution



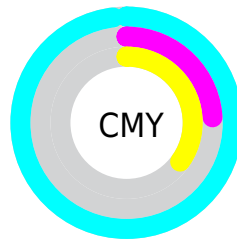
- Red (2%)
- Green (76%)
- Blue (65%)



- Red (2%)
- Yellow (42%)
- Blue (76%)



- Cyan (98%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (98%)
- Magenta (24%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.603, 177.279 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 70, 46.603, 177.279 by changing the saturation by 10% instead.


 70, 46.603,
177.279


 70, 46.603,
177.279


 100, 46.603,
177.279


 60, 46.603,
177.279


 90, 46.603,
177.279

 50, 46.603,
177.279

 40, 46.603,
177.279

 30, 46.603,
177.279

 20, 46.603,
177.279

 10, 46.603,
177.279

 0, 46.603, 177.279

■ 70, 46.603,
177.279

■ 70, 46.603,
177.279

■ 70, 46.922,
176.953

■ 70, 45.006,
178.742

■ 70, 42.683,
180.081

■ 71, 39.524,
181.296

■ 71, 35.522,
182.409

■ 72, 30.725,
183.440

■ 73, 25.218,
184.409

■ 74, 19.112,
185.330

■ 75, 12.527,

186.222

■ 77, 5.581, 187.119

Harmonies

Complementary

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



70, 46.603, 177.279



40, 76.990, 32.567

Rectangle

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



70, 46.603, 177.279



70, 46.603, 227.279



70, 46.603, 357.279



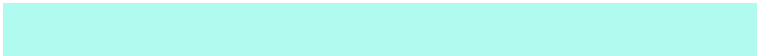
70, 46.603, 47.279

Sweetspot

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



70, 46.603, 177.278



93, 24.532, 185.178



68, 95.287, 135.187



49, 16.618, 184.784



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 46.603, 177.278



89, 57.220, 176.691



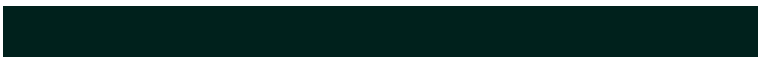
51, 42.653, 263.931



40, 4.076, 186.971



59, 40.920, 177.175



10, 13.695, 181.229

Inverse Universe

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



40, 76.990, 32.567



52, 96.022, 34.350



47, 73.141, 50.197



38, 4.255, 8.429



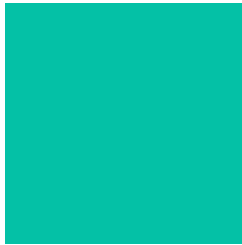
33, 67.899, 32.803



3, 14.155, 11.630

Previews

White Background



This preview shows how the CIE LCh color 70, 46.603, 177.279 looks on a white background.

Color Contrast Check

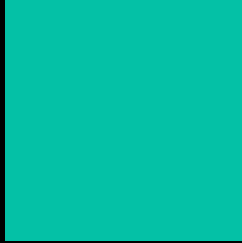
Large Text (above 18pt) WCAG AA × Fail

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 70, 46.603, 177.279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

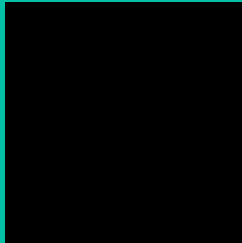
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 46.603, 177.279

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.603, 177.279.

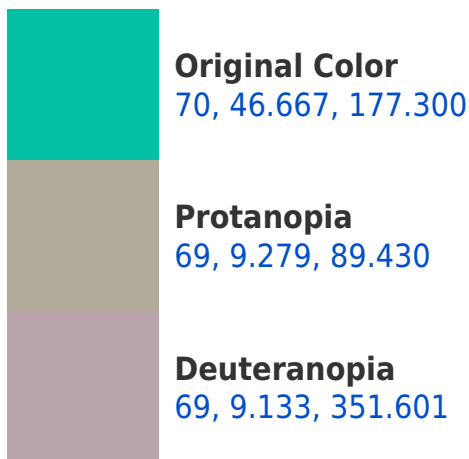


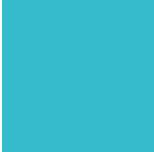
This preview shows how white text looks on a background with the CIELCh color 70, 46.603, 177.279.

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
70, 34.958, 211.635

Trichromacy



Original Color
70, 46.667, 177.300



Protanomaly
68, 25.348, 171.500



Deuteranomaly
67, 19.197, 191.170



Tritanomaly
70, 38.294, 196.509

Monochromacy



Original Color
70, 46.667, 177.300



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 24.383, 183.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.603, 177.279 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(4, 193, 166)` looks like.

```
.text, #text, p{  
    color:rgb(4, 193, 166)  
}
```

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(4, 193, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 193, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.603, 177.279 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(4, 193, 166) }
```

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

```
.border{ border-color:rgb(4, 193, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 193, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 193, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 193, 166);  
box-shadow:4px 4px 4px 4px rgb(4, 193,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.603, 177.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 193, 166) }
```

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

```
.background{ background-color: rgb(4, 193,  
166) }
```

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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