

Converting Colors

CIELCh(70, 45.457, 179.559)

Have a look what the booklet for
CIELCh(70, 45.457, 179.559)
contains.

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Color

CIELCh(70, 45.344, 179.711)

Conversions

Conversions Part 1

Format	Color
Hex	07C0A9
RGB	7, 192, 169
RGB Percent	3%, 75%, 66%
CMY	0.9745, 0.2459, 0.3361
CMYK	0.97, 0.00, 0.12, 0.25
HSL	173°, 93%, 39%
HSV	173°, 97%, 75%
XYZ	26.1858, 40.7494, 44.1642
YIQ	134.0630, -102.8770, -46.3730

Conversions

Conversions Part 2

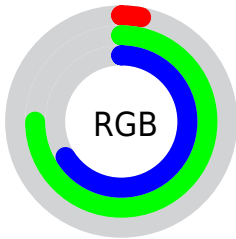
Format	Color
RYB	7, 106, 192
Decimal	508073
CIELab	70.00, -45.34, 0.23
CIELCh	70, 45.344, 179.711
Yxy	40.7494, 0.2357, 0.3668
Android (android.graphics.Color)	4278698153 (0xFF07C0A9)
YUV	134.0630, 17.2239, -111.4343
Hunter-Lab	63.8353, -38.4894, 3.6651

Details

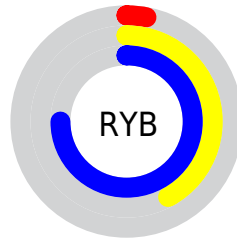
The CIELCh color **70, 45.344, 179.711** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **40, 77.182, 33.274**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 45.156, 179.714**, and **51, 36.456, 177.091** is the 20% darker color. If you saturate the color by 10%, you get **70, 45.780, 179.259**, and if you desaturate by 10%, it is **70, 43.832, 181.029**.

Distribution



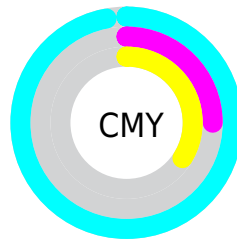
- Red (3%)
- Green (75%)
- Blue (66%)



- Red (3%)
- Yellow (42%)
- Blue (75%)



- Cyan (97%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)





- Cyan (97%)
- Magenta (25%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.344, 179.711 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, 45.344, 179.711 by changing the saturation by 10% instead.


 70, 45.344,
179.711


 70, 45.344,
179.711


 100, 45.344,
179.711


 60, 45.344,
179.711


 90, 45.344,
179.711

 50, 45.344,
179.711

 40, 45.344,
179.711

 30, 45.344,
179.711

 20, 45.344,
179.711

 10, 45.344,
179.711

 0, 45.344, 179.711

■ 70, 45.344,
179.711

■ 70, 45.344,
179.711

■ 70, 45.780,
179.259

■ 70, 43.832,
181.029

■ 70, 41.558,
182.232

■ 71, 38.441,
183.331

■ 72, 34.477,
184.347

■ 72, 29.716,
185.298

■ 73, 24.247,
186.201

■ 74, 18.178,
187.071

■ 75, 11.630,

187.922

■ 77, 4.718, 188.800

Harmonies

Complementary

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



70, 45.344, 179.711



40, 77.182, 33.274

Rectangle

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



70, 45.344, 179.711



70, 45.344, 229.711



70, 45.344, 359.711



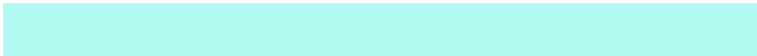
70, 45.344, 49.711

Sweetspot

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



70, 45.344, 179.710



93, 24.303, 186.826



68, 95.027, 135.336



49, 16.453, 186.452



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, 45.344, 179.710



89, 55.875, 179.020



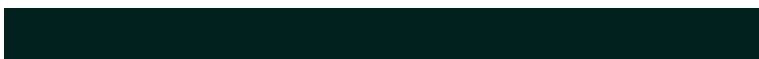
50, 43.538, 265.990



40, 4.049, 188.546



59, 39.991, 179.458



10, 13.490, 183.110

Inverse Universe

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



40, 77.182, 33.274



52, 97.221, 35.455



47, 71.673, 51.399



38, 4.236, 9.956



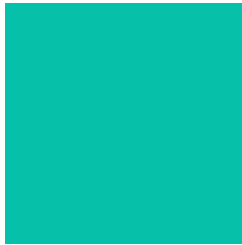
33, 68.760, 34.003



3, 14.119, 12.670

Previews

White Background



This preview shows how the CIELCh color 70, 45.344, 179.711 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 70, 45.344, 179.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

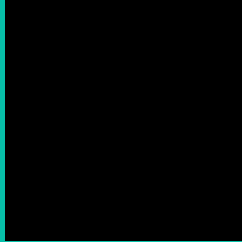
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

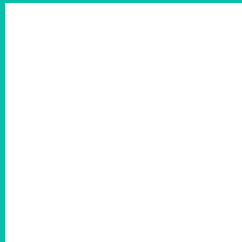
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 45.344, 179.711

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.344, 179.711.

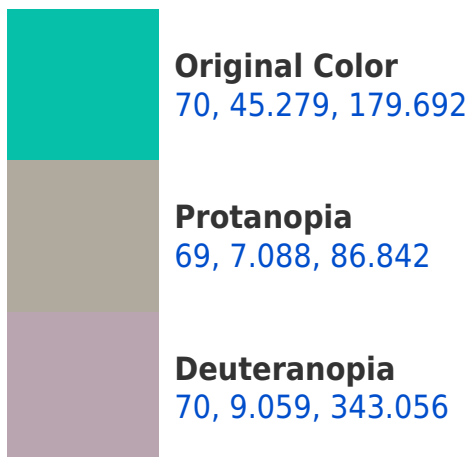


This preview shows how white text looks on a background with the CIELCh color 70, 45.344, 179.711.

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, 35.367, 210.486

Trichromacy



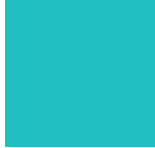
Original Color
70, 45.279, 179.692



Protanomaly
68, 23.960, 175.747



Deuteranomaly
68, 19.254, 194.523



Tritanomaly
70, 38.326, 197.354

Monochromacy



Original Color
70, 45.279, 179.692



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 23.437, 186.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.344, 179.711 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(7, 192, 169)` looks like.

```
.text, #text, p{  
    color:rgb(7, 192, 169)  
}
```

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(7, 192, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 192, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.344, 179.711 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(7, 192, 169) }
```

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

```
.border{ border-color:rgb(7, 192, 169) }
```

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

Here you see how a box with a 4 pixel rgb(7, 192, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 192, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 192, 169);  
box-shadow:4px 4px 4px 4px rgb(7, 192,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.344, 179.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 192, 169) }
```

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

```
.background{ background-color: rgb(7, 192,  
169) }
```

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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