

Converting Colors

CIELCh(70, 44.349, 182.381)

Have a look what the booklet for
CIELCh(70, 44.349, 182.381)
contains.

CIELCh(70, 44.363, 182.356)	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(70, 44.363, 182.356)

Conversions

Conversions Part 1

Format	Color
Hex	02C0AD
RGB	2, 192, 173
RGB Percent	1%, 75%, 68%
CMY	0.9912, 0.2469, 0.3214
CMYK	0.99, 0.00, 0.10, 0.25
HSL	174°, 98%, 38%
HSV	174°, 99%, 75%
XYZ	26.4323, 40.7494, 46.0265
YIQ	133.0240, -107.1410, -46.1890

Conversions

Conversions Part 2

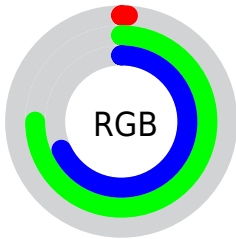
Format	Color
R _Y B	2, 102, 192
Decimal	180397
CIE Lab	70.00, -44.33, -1.82
CIE LCh	70, 44.363, 182.356
Yxy	40.7494, 0.2335, 0.3600
Android (android.graphics.Color)	4278370477 (0xFF02C0AD)
YUV	133.0240, 19.7082, -114.9080
Hunter-Lab	63.8353, -37.8000, 1.9354

Details

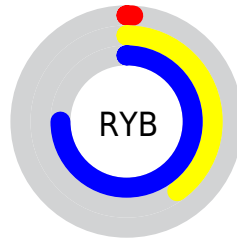
The CIELCh color **70, 44.363, 182.356** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **40, 79.568, 35.548**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 44.384, 182.258**, and **51, 35.242, 180.511** is the 20% darker color. If you saturate the color by 10%, you get **70, 44.493, 182.222**, and if you desaturate by 10%, it is **70, 43.130, 183.497**.

Distribution



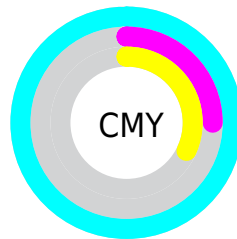
- Red (1%)
- Green (75%)
- Blue (68%)



- Red (1%)
- Yellow (40%)
- Blue (75%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)




- Cyan (99%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 44.363, 182.356 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, 44.363, 182.356 by changing the saturation by 10% instead.


 70, 44.363,
182.356


 70, 44.363,
182.356


 100, 44.363,
182.356


 60, 44.363,
182.356


 90, 44.363,
182.356

 50, 44.363,
182.356

 40, 44.363,
182.356

 30, 44.363,
182.356

 20, 44.363,
182.356

 10, 44.363,
182.356

 0, 44.363, 182.356

■ 70, 44.363,
182.356

■ 70, 44.363,
182.356

■ 70, 44.493,
182.222

■ 70, 43.130,
183.497

■ 70, 41.203,
184.555

■ 71, 38.437,
185.530

■ 71, 34.813,
186.439

■ 72, 30.368,
187.300

■ 73, 25.177,
188.128

■ 74, 19.346,
188.934

■ 75, 12.990,

189.731

■ 76, 6.226, 190.547

Harmonies

Complementary

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



70, 44.363, 182.356



40, 79.568, 35.548

Rectangle

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



70, 44.363, 182.356



70, 44.363, 232.356



70, 44.363, 2.356



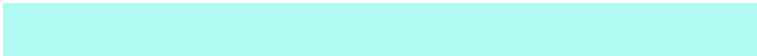
70, 44.363, 52.356

Sweetspot

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



70, 44.363, 182.355



93, 24.798, 188.803



68, 95.725, 135.472



49, 16.677, 188.461



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, 44.363, 182.355



89, 54.332, 182.018



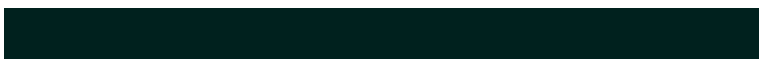
48, 45.697, 269.575



40, 4.020, 190.501



59, 38.925, 182.391



10, 13.253, 185.487

Inverse Universe

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



40, 79.568, 35.548



52, 98.613, 36.660



47, 72.309, 52.117



38, 4.217, 11.843



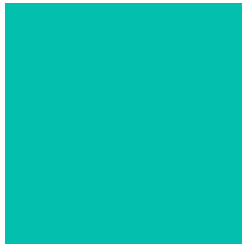
33, 69.791, 35.343



3, 14.081, 13.951

Previews

White Background



This preview shows how the CIELCh color 70, 44.363, 182.356 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, 44.363, 182.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

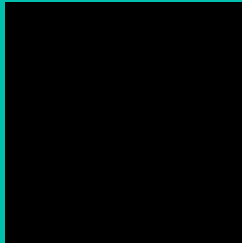
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

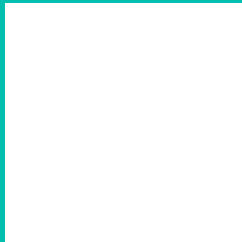
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 44.363, 182.356

Background



This preview shows how black text looks on a background with the CIELCh color 70, 44.363, 182.356.

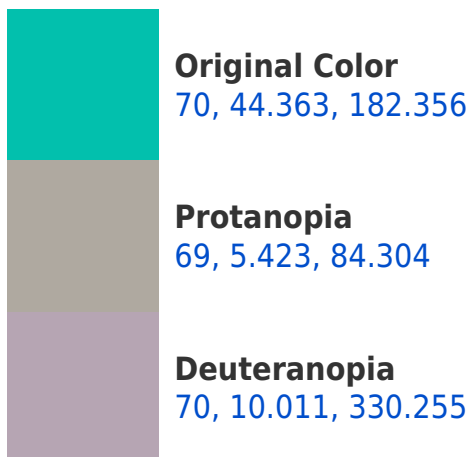


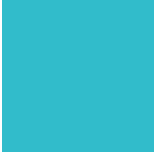
This preview shows how white text looks on a background with the CIELCh color 70, 44.363, 182.356.

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, 35.585, 210.387

Trichromacy



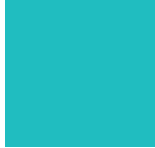
Original Color
70, 44.363, 182.356



Protanomaly
68, 23.542, 181.058



Deuteranomaly
68, 19.550, 201.095



Tritanomaly
70, 38.137, 199.046

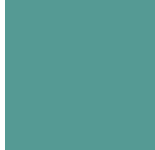
Monochromacy



Original Color
70, 44.363, 182.356



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 23.601, 188.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 44.363, 182.356 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(2, 192, 173)` looks like.

```
.text, #text, p{  
    color:rgb(2, 192, 173)  
}
```

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(2, 192, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 192, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 44.363, 182.356 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(2, 192, 173) }
```

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

```
.border{ border-color:rgb(2, 192, 173) }
```

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

Here you see how a box with a 4 pixel rgb(2, 192, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 192, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 192, 173);  
box-shadow:4px 4px 4px 4px rgb(2, 192,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 44.363, 182.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 192, 173) }
```

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

```
.background{ background-color: rgb(2, 192,  
173) }
```

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