

Converting Colors

CIELCh(70, 44.968, 180.044)

Have a look what the booklet for
CIELCh(70, 44.968, 180.044)
contains.

CIELCh(70, 44.838, 180.292)	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, 44.838, 180.292)

Conversions

Conversions Part 1

Format	Color
Hex	0DC0AA
RGB	13, 192, 170
RGB Percent	5%, 75%, 67%
CMY	0.9505, 0.2465, 0.3328
CMYK	0.93, 0.00, 0.11, 0.25
HSL	173°, 88%, 40%
HSV	173°, 93%, 75%
XYZ	26.3082, 40.7494, 44.5746
YIQ	135.9710, -99.6220, -44.7900

Conversions

Conversions Part 2

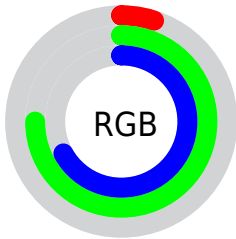
Format	Color
RYB	13, 108, 192
Decimal	901290
CIELab	70.00, -44.84, -0.23
CIELCh	70, 44.838, 180.292
Yxy	40.7494, 0.2357, 0.3650
Android (android.graphics.Color)	4279091370 (0xFF0DC0AA)
YUV	135.9710, 16.7763, -107.8456
Hunter-Lab	63.8353, -38.1473, 3.2839

Details

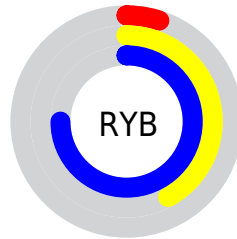
The CIELCh color **70, 44.838, 180.292** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **41, 75.314, 31.862**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 44.735, 180.275**, and **51, 36.144, 177.925** is the 20% darker color. If you saturate the color by 10%, you get **70, 45.681, 179.414**, and if you desaturate by 10%, it is **70, 43.113, 181.565**.

Distribution



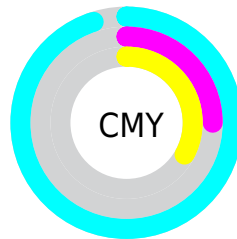
- Red (5%)
- Green (75%)
- Blue (67%)



- Red (5%)
- Yellow (42%)
- Blue (75%)



- Cyan (93%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 44.838, 180.292 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, 44.838, 180.292 by changing the saturation by 10% instead.

 70, 44.838,
180.292


 70, 44.838,
180.292


 100, 44.838,
180.292


 60, 44.838,
180.292

 90, 44.838,
180.292

 50, 44.838,
180.292

 40, 44.838,
180.292

 30, 44.838,
180.292

 20, 44.838,
180.292

 10, 44.838,
180.292

 0, 44.838, 180.292

■ 70, 44.838,
180.292

■ 70, 44.838,
180.292

■ 70, 45.681,
179.414

■ 70, 43.113,
181.565

■ 71, 40.585,
182.725

■ 71, 37.205,
183.789

■ 72, 32.991,
184.776

■ 72, 28.004,
185.705

■ 73, 22.341,
186.592

■ 75, 16.116,
187.451

■ 76, 9.448, 188.298

Harmonies

Complementary

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



70, 44.838, 180.292



41, 75.314, 31.862

Rectangle

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



70, 44.838, 180.292



70, 44.838, 230.292



70, 44.838, 0.292



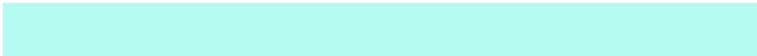
70, 44.838, 50.292

Sweetspot

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



70, 44.838, 180.291



94, 23.520, 187.023



68, 94.012, 135.297



49, 16.022, 186.647



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, 44.838, 180.291



89, 55.790, 179.176



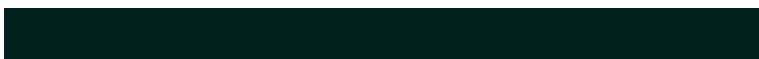
51, 42.453, 264.377



40, 4.047, 188.650



59, 39.932, 179.611



10, 13.477, 183.235

Inverse Universe

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



41, 75.314, 31.862



52, 97.299, 35.524



48, 69.723, 51.987



38, 4.235, 10.056



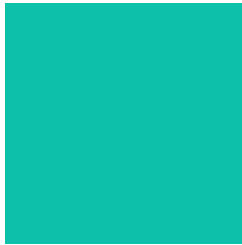
33, 68.816, 34.078



3, 14.117, 12.739

Previews

White Background



This preview shows how the CIELCh color 70, 44.838, 180.292 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, 44.838, 180.292 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

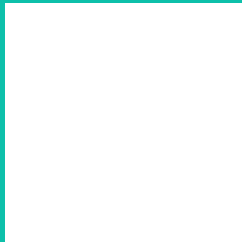
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 44.838, 180.292

Background



This preview shows how black text looks on a background with the CIELCh color 70, 44.838, 180.292.

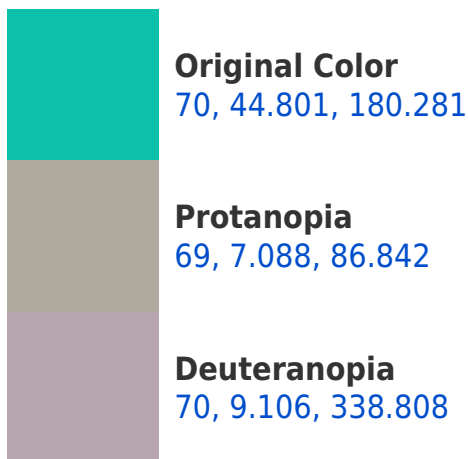


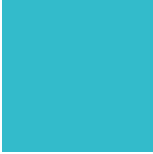
This preview shows how white text looks on a background with the CIELCh color 70, 44.838, 180.292.

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, 35.185, 211.524

Trichromacy



Original Color
70, 44.801, 180.281



Protanomaly
68, 22.846, 176.232



Deuteranomaly
68, 18.559, 196.179



Tritanomaly
70, 37.855, 198.235

Monochromacy



Original Color
70, 44.801, 180.281



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 22.889, 185.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 44.838, 180.292 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(13, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(13, 192, 170)  
}
```

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(13, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 192, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 44.838, 180.292 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(13, 192, 170) }
```

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

```
.border{ border-color:rgb(13, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(13, 192, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(13, 192, 170); box-shadow:4px 4px 4px 4px rgb(13, 192, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 44.838, 180.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 192, 170) }
```

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

```
.background{ background-color: rgb(13, 192,  
170) }
```

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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