

Converting Colors

CIELCh(70, 40.700, 194.676)

Have a look what the booklet for
CIELCh(70, 40.700, 194.676)
contains.

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Color

CIELCh(70, 40.637, 194.788)

Conversions

Conversions Part 1

Format	Color
Hex	00BFBD
RGB	0, 191, 189
RGB Percent	0%, 75%, 74%
CMY	1.0000, 0.2524, 0.2602
CMYK	1.00, 0.00, 0.01, 0.25
HSL	179°, 100%, 37%
HSV	179°, 100%, 75%
XYZ	27.6746, 40.7494, 54.3470
YIQ	133.6630, -113.1940, -41.1140

Conversions

Conversions Part 2

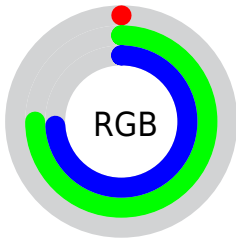
Format	Color
RYB	0, 96, 191
Decimal	49085
CIELab	70.00, -39.29, -10.37
CIELCh	70, 40.637, 194.788
Yxy	40.7494, 0.2254, 0.3319
Android (android.graphics.Color)	4278239165 (0xFF00BFBD)
YUV	133.6630, 27.2811, -117.2225
Hunter-Lab	63.8353, -34.3265, -5.7926

Details

The CIELCh color **70, 40.637, 194.788** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 83.548, 39.584**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 40.730, 194.647**, and **51, 31.741, 195.299** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.580, 194.789**, and if you desaturate by 10%, it is **70, 39.878, 194.972**.

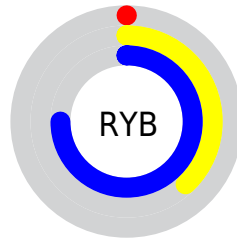
Distribution



Red (0%)

Green (75%)

Blue (74%)



Red (0%)

Yellow (38%)

Blue (75%)

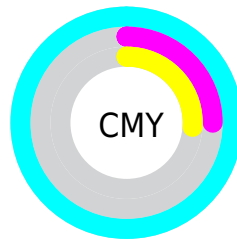


Cyan (100%)

Magenta (0%)

Yellow (1%)

Black (25%)



Cyan (100%)


Magenta (25%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 40.637, 194.788 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, 40.637, 194.788 by changing the saturation by 10% instead.


 70, 40.637,
194.788


 70, 40.637,
194.788


 100, 40.637,
194.788


 60, 40.637,
194.788


 90, 40.637,
194.788

 50, 40.637,
194.788

 40, 40.637,
194.788

 30, 40.637,
194.788

 20, 40.637,
194.788

 10, 40.637,
194.788

 0, 40.637, 194.788

■ 70, 40.637,
194.788

■ 70, 40.637,
194.788

■ 70, 40.580,
194.789

■ 70, 39.878,
194.972

■ 70, 38.539,
195.185

■ 71, 36.371,
195.439

■ 71, 33.334,
195.741

■ 72, 29.443,
196.096

■ 73, 24.755,
196.502

■ 73, 19.358,
196.960

■ 75, 13.358,

197.469

■ 76, 6.869, 198.043

Harmonies

Complementary

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



70, 40.637, 194.788



40, 83.548, 39.584

Rectangle

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



70, 40.637, 194.788



70, 40.637, 244.788



70, 40.637, 14.788



70, 40.637, 64.788

Sweetspot

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



70, 40.580, 194.789



93, 23.873, 196.937



67, 96.156, 135.950



49, 16.143, 196.736



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, 40.580, 194.789



89, 49.356, 194.764



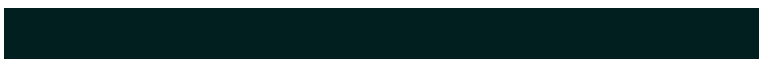
42, 56.235, 282.492



39, 3.867, 198.084



59, 35.327, 194.811



9, 11.711, 195.558

Inverse Universe

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



40, 83.548, 39.584



52, 101.765, 39.699



50, 69.017, 59.151



37, 4.095, 19.070



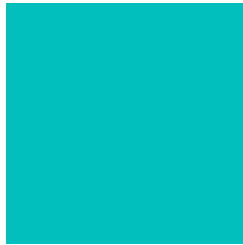
32, 72.395, 39.246



3, 12.254, 18.801

Previews

White Background



This preview shows how the CIE LCh color 70, 40.637, 194.788 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, 40.637, 194.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

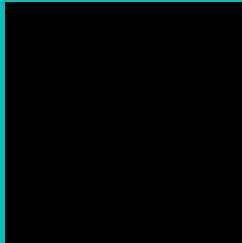
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

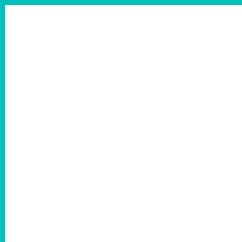
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 40.637, 194.788

Background



This preview shows how black text looks on a background with the CIELCh color 70, 40.637, 194.788.

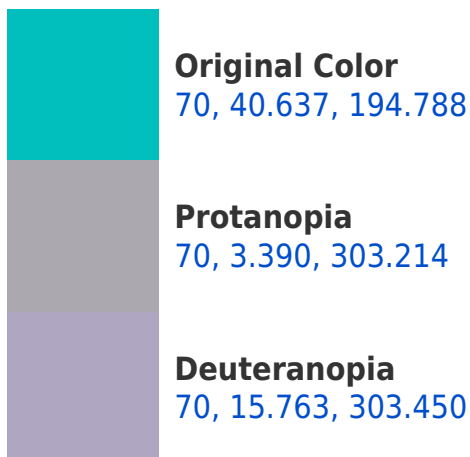


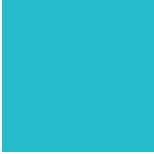
This preview shows how white text looks on a background with the CIELCh color 70, 40.637, 194.788.

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, 36.769, 210.771

Trichromacy



Original Color
70, 40.637, 194.788



Protanomaly
68, 22.302, 201.925



Deuteranomaly
68, 22.023, 223.338



Tritanomaly
70, 38.121, 204.135

Monochromacy



Original Color
70, 40.637, 194.788



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 22.885, 195.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 40.637, 194.788 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(0, 191, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 189)  
}
```

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(0, 191, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 40.637, 194.788 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(0, 191, 189) }
```

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

```
.border{ border-color:rgb(0, 191, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 40.637, 194.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 189) }
```

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

```
.background{ background-color: rgb(0, 191,  
189) }
```

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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