

Converting Colors

CIELCh(70, 40.365, 196.386)

Have a look what the booklet for
CIELCh(70, 40.365, 196.386)
contains.

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Color

CIELCh(70, 40.168, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	02BEBE
RGB	2, 190, 190
RGB Percent	1%, 75%, 75%
CMY	0.9917, 0.2533, 0.2533
CMYK	0.99, 0.00, 0.00, 0.25
HSL	180°, 98%, 38%
HSV	180°, 99%, 75%
XYZ	27.8640, 40.7494, 55.3389
YIQ	133.7880, -112.0480, -39.8560

Conversions

Conversions Part 2

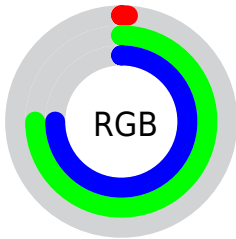
Format	Color
RYB	2, 96, 190
Decimal	179902
CIELab	70.00, -38.54, -11.33
CIELCh	70, 40.168, 196.386
Yxy	40.7494, 0.2248, 0.3288
Android (android.graphics.Color)	4278369982 (0xFF02BEBE)
YUV	133.7880, 27.7125, -115.5781
Hunter-Lab	63.8353, -33.7967, -6.7139

Details

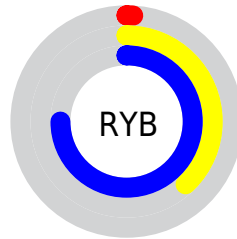
The CIELCh color **70, 40.168, 196.386** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **40, 83.288, 39.671**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 40.104, 196.153**, and **51, 31.256, 197.492** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.233, 196.380**, and if you desaturate by 10%, it is **70, 39.462, 196.436**.

Distribution



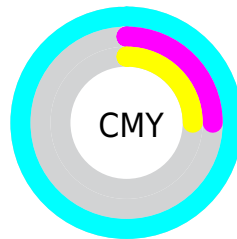
- Red (1%)
- Green (75%)
- Blue (75%)



- Red (1%)
- Yellow (38%)
- Blue (75%)



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





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 40.168, 196.386 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, 40.168, 196.386 by changing the saturation by 10% instead.


 70, 40.168,
196.386


 70, 40.168,
196.386


 100, 40.168,
196.386


 60, 40.168,
196.386


 90, 40.168,
196.386

 50, 40.168,
196.386

 40, 40.168,
196.386

 30, 40.168,
196.386

 20, 40.168,
196.386

 10, 40.168,
196.386

 0, 40.168, 196.386

■ 70, 40.168,
196.386

■ 70, 40.168,
196.386

■ 70, 40.233,
196.380

■ 70, 39.462,
196.436

■ 70, 38.076,
196.535

■ 71, 35.856,
196.695

■ 71, 32.768,
196.920

■ 72, 28.828,
197.211

■ 73, 24.096,
197.565

■ 73, 18.661,
197.981

■ 75, 12.629,

198.456

■ 76, 6.112, 199.007

Harmonies

Complementary

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



70, 40.168, 196.386



40, 83.288, 39.671

Rectangle

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



70, 40.168, 196.386



70, 40.168, 246.386



70, 40.168, 16.386



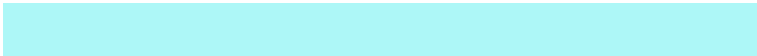
70, 40.168, 66.386

Sweetspot

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



70, 40.167, 196.385



93, 23.820, 197.911



67, 95.807, 135.993



49, 16.102, 197.730



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, 40.167, 196.385



89, 48.973, 196.380



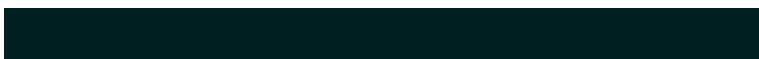
42, 55.552, 282.011



39, 3.863, 198.979



59, 35.061, 196.380



9, 11.663, 196.734

Inverse Universe

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



40, 83.288, 39.671



52, 102.188, 39.999



51, 68.383, 59.395



37, 4.096, 19.914



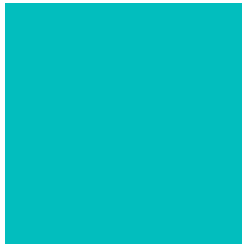
32, 72.801, 39.663



3, 12.251, 19.403

Previews

White Background



This preview shows how the CIELCh color 70, 40.168, 196.386 looks on a white background.

Color Contrast Check

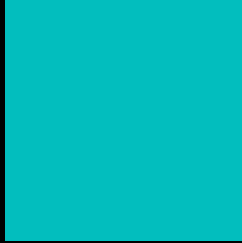
Large Text (above 18pt) WCAG AA × Fail

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, 40.168, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

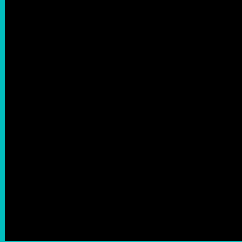
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

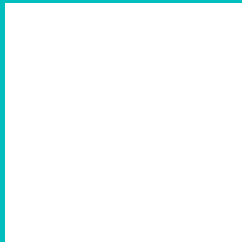
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 40.168, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 70, 40.168, 196.386.

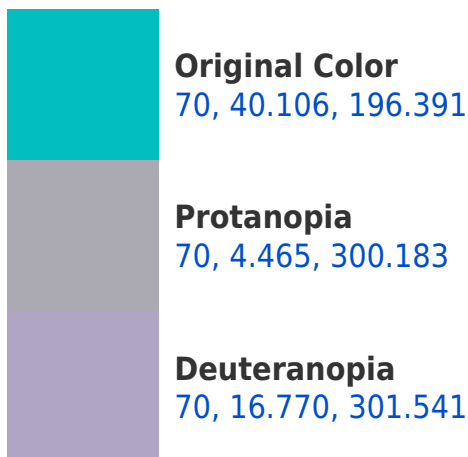


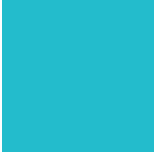
This preview shows how white text looks on a background with the CIELCh color 70, 40.168, 196.386.

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](#).

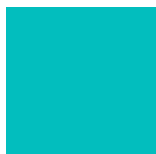
Dichromacy



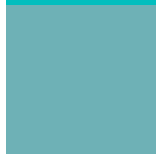


Tritanopia
70, 36.846, 210.736

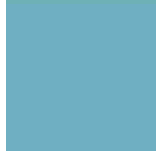
Trichromacy



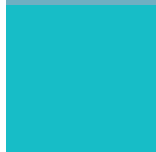
Original Color
70, 40.106, 196.391



Protanomaly
68, 21.970, 204.952



Deuteranomaly
68, 22.353, 226.151

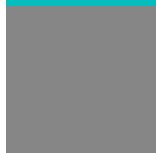


Tritanomaly
70, 38.047, 205.011

Monochromacy



Original Color
70, 40.106, 196.391



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 22.783, 197.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 40.168, 196.386 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, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(2, 190, 190)  
}
```

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, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 190, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 40.168, 196.386 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, 190, 190) }
```

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

```
.border{ border-color:rgb(2, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(2, 190,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 40.168, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 190, 190) }
```

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

```
.background{ background-color: rgb(2, 190,  
190) }
```

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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