

Converting Colors

CIELCh(70, 37.160, 194.159)

Have a look what the booklet for
CIELCh(70, 37.160, 194.159)
contains.

CIELCh(70, 37.103, 194.009)	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, 37.103, 194.009)

Conversions

Conversions Part 1

Format	Color
Hex	33BDBA
RGB	51, 189, 186
RGB Percent	20%, 74%, 73%
CMY	0.7987, 0.2580, 0.2698
CMYK	0.73, 0.00, 0.02, 0.26
HSL	179°, 57%, 47%
HSV	179°, 73%, 74%
XYZ	28.5074, 40.7494, 52.9303
YIQ	147.3960, -81.2850, -30.1890

Conversions

Conversions Part 2

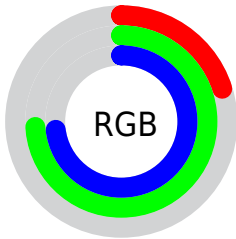
Format	Color
RYB	51, 121, 189
Decimal	3390906
CIELab	70.00, -36.00, -8.98
CIELCh	70, 37.103, 194.009
Yxy	40.7494, 0.2333, 0.3335
Android (android.graphics.Color)	4281580986 (0xFF33BDBA)
YUV	147.3960, 19.0318, -84.5393
Hunter-Lab	63.8353, -31.9977, -4.4768

Details

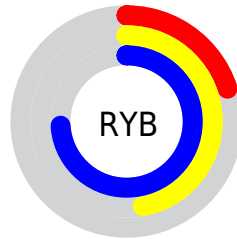
The CIELCh color **70, 37.103, 194.009** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **44, 62.958, 29.852**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 37.222, 193.823**, and **51, 31.580, 194.194** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.066, 193.655**, and if you desaturate by 10%, it is **70, 34.281, 194.390**.

Distribution



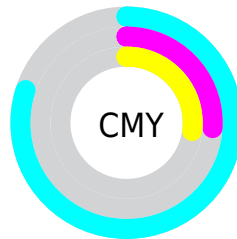
- Red (20%)
- Green (74%)
- Blue (73%)



- Red (20%)
- Yellow (47%)
- Blue (74%)



- Cyan (73%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)





- Cyan (80%)
- Magenta (26%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.103, 194.009 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, 37.103, 194.009 by changing the saturation by 10% instead.


 70, 37.103,
194.009


 70, 37.103,
194.009


 100, 37.103,
194.009


 60, 37.103,
194.009


 90, 37.103,
194.009

 50, 37.103,
194.009

 40, 37.103,
194.009

 30, 37.103,
194.009

 20, 37.103,
194.009

 10, 37.103,
194.009

 0, 37.103, 194.009

70, 37.103,
194.009

70, 37.103,
194.009

70, 39.066,
193.655

70, 34.281,
194.390

70, 40.226,
193.322

71, 30.604,
194.807

69, 40.716,
193.091

72, 26.120,
195.264

73, 20.911,
195.761

74, 15.079,
196.300

75, 8.738, 196.887

76, 1.996, 197.681

78, 5.042, 17.926

Harmonies

Complementary

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



70, 37.103, 194.009



44, 62.958, 29.852

Rectangle

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



70, 37.103, 194.009



70, 37.103, 244.009



70, 37.103, 14.009



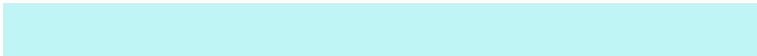
70, 37.103, 64.009

Sweetspot

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



70, 37.103, 194.008



93, 17.907, 196.329



68, 82.910, 137.418



49, 11.921, 196.179



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 37.103, 194.008



88, 48.292, 193.469



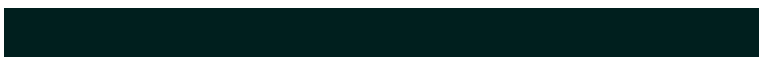
51, 40.292, 268.642



39, 3.871, 197.114



59, 35.641, 193.135



9, 11.766, 194.294

Inverse Universe

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



44, 62.958, 29.852



52, 91.936, 35.611



56, 51.961, 63.063



37, 4.095, 18.153



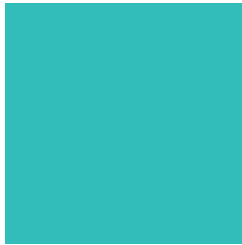
32, 71.958, 38.788



3, 12.258, 18.148

Previews

White Background



This preview shows how the CIELCh color 70, 37.103, 194.009 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, 37.103, 194.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

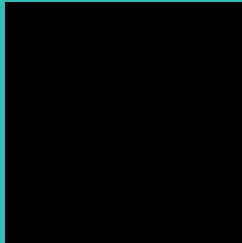
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

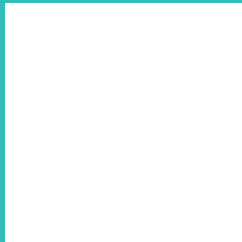
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 37.103, 194.009

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.103, 194.009.

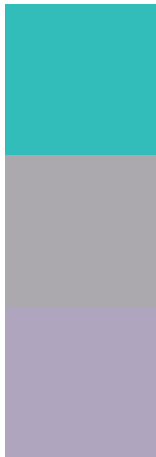


This preview shows how white text looks on a background with the CIELCh color 70, 37.103, 194.009.

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](#).

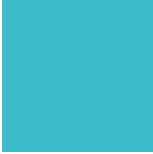
Dichromacy



Original Color
70, 37.103, 194.009

Protanopia
70, 2.858, 305.613

Deuteranopia
69, 14.888, 307.008



Tritanopia
70, 33.962, 211.159

Trichromacy



Original Color
70, 37.103, 194.009



Protanomaly
69, 16.850, 201.832



Deuteranomaly
69, 16.369, 228.865



Tritanomaly
70, 34.913, 204.118

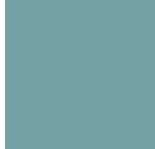
Monochromacy



Original Color
70, 37.103, 194.009



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 17.440, 196.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.103, 194.009 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(51, 189, 186)` looks like.

```
.text, #text, p{  
    color:rgb(51, 189, 186)  
}
```

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(51, 189, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 189, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.103, 194.009 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(51, 189, 186) }
```

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

```
.border{ border-color:rgb(51, 189, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 189, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 189, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 189, 186);  
box-shadow:4px 4px 4px 4px rgb(51, 189,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.103, 194.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 189, 186) }
```

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

```
.background{ background-color: rgb(51, 189,  
186) }
```

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