

Converting Colors

CIELCh(70, 35.705, 191.486)

Have a look what the booklet for
CIELCh(70, 35.705, 191.486)
contains.

CIELCh(70, 35.795, 191.335)	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, 35.795, 191.335)

Conversions

Conversions Part 1

Format	Color
Hex	40BDB7
RGB	64, 189, 183
RGB Percent	25%, 74%, 72%
CMY	0.7505, 0.2600, 0.2835
CMYK	0.66, 0.00, 0.03, 0.26
HSL	177°, 50%, 49%
HSV	177°, 66%, 74%
XYZ	28.7387, 40.7494, 50.9892
YIQ	150.9410, -72.5740, -28.3660

Conversions

Conversions Part 2

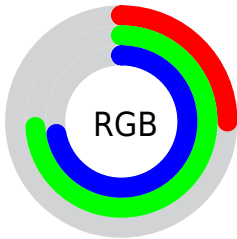
Format	Color
RYB	64, 128, 189
Decimal	4242871
CIELab	70.00, -35.10, -7.04
CIELCh	70, 35.795, 191.335
Yxy	40.7494, 0.2385, 0.3382
Android (android.graphics.Color)	4282432951 (0xFF40BDB7)
YUV	150.9410, 15.8051, -76.2473
Hunter-Lab	63.8353, -31.3510, -2.6739

Details

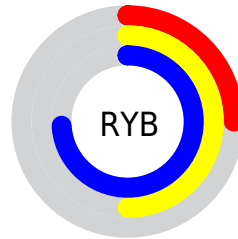
The CIELCh color **70, 35.795, 191.335** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **45, 56.124, 25.874**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.934, 191.262**, and **51, 32.158, 190.997** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.444, 190.747**, and if you desaturate by 10%, it is **71, 32.291, 191.919**.

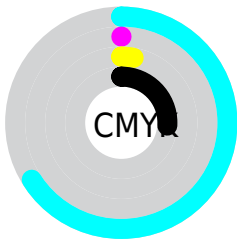
Distribution



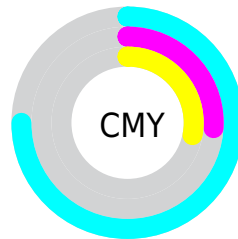
- Red (25%)
- Green (74%)
- Blue (72%)



- Red (25%)
- Yellow (50%)
- Blue (74%)



- Cyan (66%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (75%)
- Magenta (26%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 35.795, 191.335 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, 35.795, 191.335 by changing the saturation by 10% instead.


 70, 35.795,
191.335


 70, 35.795,
191.335


 100, 35.795,
191.335


 60, 35.795,
191.335


 90, 35.795,
191.335

 50, 35.795,
191.335

 40, 35.795,
191.335

 30, 35.795,
191.335

 20, 35.795,
191.335

 10, 35.795,
191.335

 0, 35.795, 191.335

70, 35.795,
191.335

70, 35.795,
191.335

70, 38.444,
190.747

71, 32.291,
191.919

69, 40.248,
190.147

71, 27.970,
192.512

69, 41.290,
189.522

72, 22.909,
193.120

69, 41.586,
189.288

73, 17.209,
193.748

74, 10.981,
194.401

76, 4.338, 195.126

77, 2.614, 15.470

79, 9.783, 16.289

Harmonies

Complementary

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



70, 35.795, 191.335



45, 56.124, 25.874

Rectangle

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



70, 35.795, 191.335



70, 35.795, 241.335



70, 35.795, 11.335



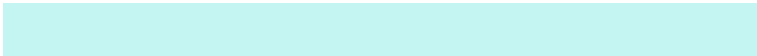
70, 35.795, 61.335

Sweetspot

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



70, 35.795, 191.334



93, 16.476, 194.134



68, 76.929, 137.788



49, 11.143, 193.950



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, 35.795, 191.334



88, 47.964, 190.449



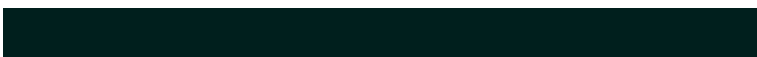
53, 36.038, 264.097



39, 3.886, 194.885



59, 36.462, 189.378



9, 11.910, 191.422

Inverse Universe

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



45, 56.124, 25.874



54, 83.917, 31.302



57, 46.707, 62.346



37, 4.099, 16.036



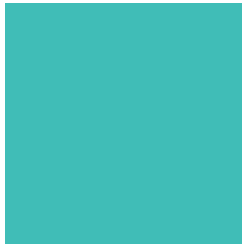
32, 70.966, 37.708



3, 12.274, 16.642

Previews

White Background



This preview shows how the CIELCh color 70, 35.795, 191.335 looks on a white background.

Color Contrast Check

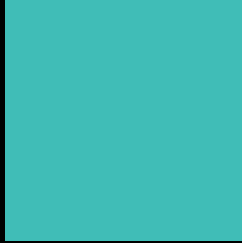
Large Text (above 18pt) WCAG AA × Fail

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, 35.795, 191.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

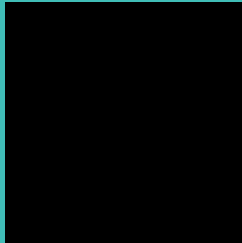
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

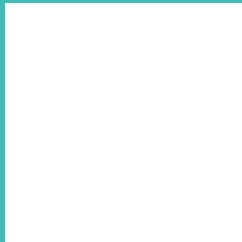
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 35.795, 191.335

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.795, 191.335.

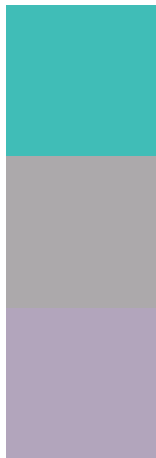


This preview shows how white text looks on a background with the CIELCh color 70, 35.795, 191.335.

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, 35.795, 191.335

Protanopia

70, 1.590, 335.589

Deuteranopia

69, 13.554, 311.826



Tritanopia
70, 31.998, 212.185

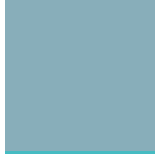
Trichromacy



Original Color
70, 35.795, 191.335



Protanomaly
69, 15.117, 196.088



Deuteranomaly
69, 14.383, 225.939

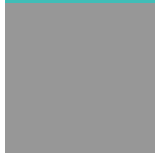


Tritanomaly
70, 32.873, 203.727

Monochromacy



Original Color
70, 35.795, 191.335



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 16.269, 194.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.795, 191.335 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(64, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(64, 189, 183)  
}
```

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(64, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 189, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.795, 191.335 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(64, 189, 183) }
```

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

```
.border{ border-color:rgb(64, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(64, 189,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.795, 191.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 189, 183) }
```

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

```
.background{ background-color: rgb(64, 189,  
183) }
```

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