

Converting Colors

CIELCh(70, 35.316, 197.902)

Have a look what the booklet for
CIELCh(70, 35.316, 197.902)
contains.

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Color

CIELCh(70, 35.185, 198.545)

Conversions

Conversions Part 1

Format	Color
Hex	3BBCBE
RGB	59, 188, 190
RGB Percent	23%, 74%, 75%
CMY	0.7672, 0.2617, 0.2539
CMYK	0.69, 0.01, 0.00, 0.25
HSL	181°, 52%, 49%
HSV	181°, 69%, 75%
XYZ	29.1877, 40.7494, 55.1922
YIQ	149.6570, -77.5260, -26.7260

Conversions

Conversions Part 2

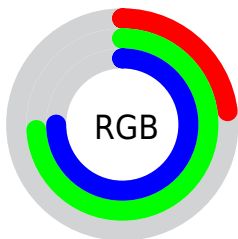
Format	Color
RYB	59, 124, 190
Decimal	3914942
CIELab	70.00, -33.36, -11.19
CIELCh	70, 35.185, 198.545
Yxy	40.7494, 0.2333, 0.3257
Android (android.graphics.Color)	4282105022 (0xFF3BBCBE)
YUV	149.6570, 19.8891, -79.5062
Hunter-Lab	63.8353, -30.0954, -6.5777

Details

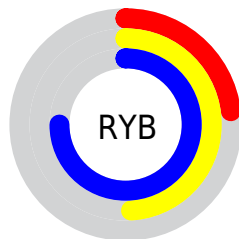
The CIELCh color **70, 35.185, 198.545** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **45, 59.669, 30.615**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.398, 198.036**, and **51, 30.644, 199.779** is the 20% darker color. If you saturate the color by 10%, you get **70, 37.338, 198.533**, and if you desaturate by 10%, it is **71, 32.165, 198.644**.

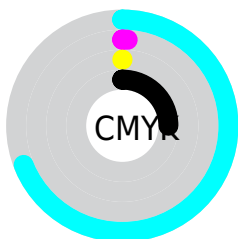
Distribution



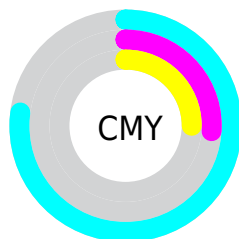
- Red (23%)
- Green (74%)
- Blue (75%)



- Red (23%)
- Yellow (49%)
- Blue (75%)



- Cyan (69%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (77%)
- Magenta (26%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 35.185, 198.545 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, 35.185, 198.545 by changing the saturation by 10% instead.


 70, 35.185,
198.545


 70, 35.185,
198.545


 100, 35.185,
198.545


 60, 35.185,
198.545


 90, 35.185,
198.545

 50, 35.185,
198.545

 40, 35.185,
198.545

 30, 35.185,
198.545

 20, 35.185,
198.545

 10, 35.185,
198.545

 0, 35.185, 198.545

70, 35.185,
198.545

70, 35.185,
198.545

70, 37.338,
198.533

71, 32.165,
198.644

69, 38.656,
198.611

71, 28.298,
198.832

69, 39.287,
198.768

72, 23.647,
199.100

69, 39.348,
198.788

73, 18.301,
199.442

74, 12.365,
199.855

76, 5.952, 200.352

77, 0.834, 20.119

79, 7.896, 21.219

Harmonies

Complementary

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



70, 35.185, 198.545



45, 59.669, 30.615

Rectangle

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



70, 35.185, 198.545



70, 35.185, 248.545



70, 35.185, 18.545



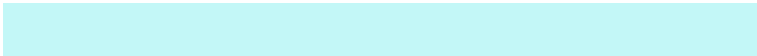
70, 35.185, 68.545

Sweetspot

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



70, 35.185, 198.544



94, 16.958, 199.743



68, 80.474, 138.284



50, 11.463, 199.626



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, 35.185, 198.544



88, 46.484, 198.565



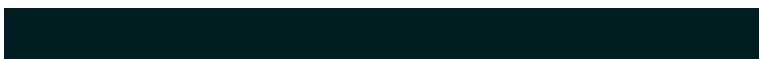
51, 40.389, 270.918



39, 3.804, 200.321



58, 34.319, 198.754



9, 11.423, 198.628

Inverse Universe

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



49, 78.348, 328.208



60, 106.687, 328.617



58, 49.021, 66.707



37, 6.996, 325.338



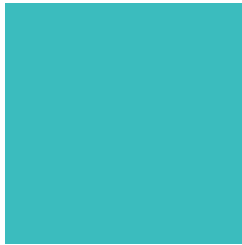
37, 79.902, 328.839



3, 21.173, 325.978

Previews

White Background



This preview shows how the CIELCh color 70, 35.185, 198.545 looks on a white background.

Color Contrast Check

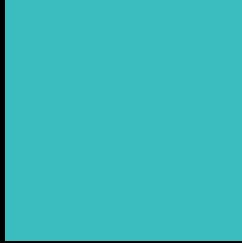
Large Text (above 18pt) WCAG AA × Fail

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, 35.185, 198.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

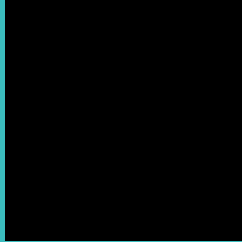
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

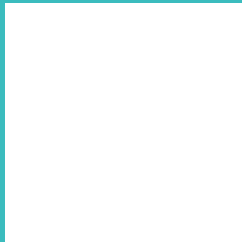
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 35.185, 198.545

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.185, 198.545.

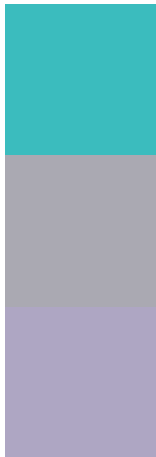


This preview shows how white text looks on a background with the CIELCh color 70, 35.185, 198.545.

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

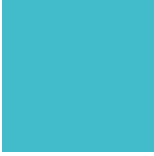
70, 35.185, 198.545

Protanopia

70, 4.960, 294.952

Deuteranopia

70, 16.231, 301.841

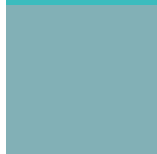


Tritanopia
70, 33.264, 211.508

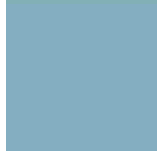
Trichromacy



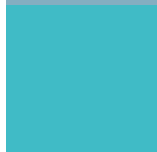
Original Color
70, 35.185, 198.545



Protanomaly
69, 15.974, 210.183



Deuteranomaly
69, 17.126, 236.328

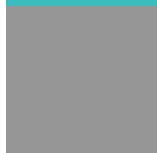


Tritanomaly
70, 33.608, 207.402

Monochromacy



Original Color
70, 35.185, 198.545



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.368, 199.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.185, 198.545 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(59, 188, 190)` looks like.

```
.text, #text, p{  
    color:rgb(59, 188, 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(59, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 188, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.185, 198.545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

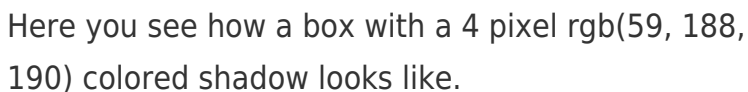
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(59, 188, 190) }
```

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

```
.border{ border-color:rgb(59, 188, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(59, 188, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(59, 188,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.185, 198.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 188, 190) }
```

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

```
.background{ background-color: rgb(59, 188,  
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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