

Converting Colors

CIELCh(70, 34.113, 176.195)

Have a look what the booklet for
CIELCh(70, 34.113, 176.195)
contains.

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Color

CIELCh(70, 34.280, 176.054)

Conversions

Conversions Part 1

Format	Color
Hex	5ABCA6
RGB	90, 188, 166
RGB Percent	35%, 74%, 65%
CMY	0.6482, 0.2638, 0.3501
CMYK	0.52, 0.00, 0.12, 0.26
HSL	167°, 42%, 54%
HSV	167°, 52%, 74%
XYZ	28.9700, 40.7494, 42.2850
YIQ	156.1900, -51.3460, -27.6180

Conversions

Conversions Part 2

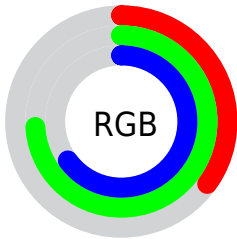
Format	Color
RYB	90, 145, 188
Decimal	5946534
CIELab	70.00, -34.20, 2.36
CIELCh	70, 34.280, 176.054
Yxy	40.7494, 0.2587, 0.3638
Android (android.graphics.Color)	4284136614 (0xFF5ABCA6)
YUV	156.1900, 4.8363, -58.0486
Hunter-Lab	63.8353, -30.7041, 5.4105

Details

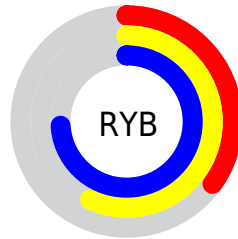
The CIELCh color **70, 34.280, 176.054** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **51, 42.164, 8.760**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 34.380, 175.836**, and **50, 34.265, 175.939** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.210, 174.742**, and if you desaturate by 10%, it is **71, 28.665, 177.248**.

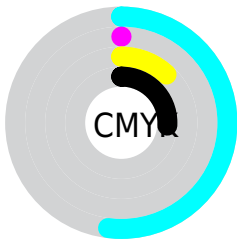
Distribution



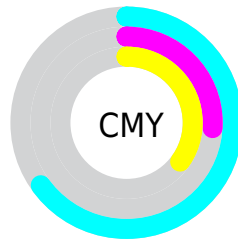
- Red (35%)
- Green (74%)
- Blue (65%)



- Red (35%)
- Yellow (57%)
- Blue (74%)



- Cyan (52%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)





- Cyan (65%)
- Magenta (26%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 34.280, 176.054 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, 34.280, 176.054 by changing the saturation by 10% instead.


 70, 34.280,
176.054


 70, 34.280,
176.054


 100, 34.280,
176.054


 60, 34.280,
176.054


 90, 34.280,
176.054

 50, 34.280,
176.054

 40, 34.280,
176.054

 30, 34.280,
176.054

 20, 34.280,
176.054

 10, 34.280,
176.054

 0, 34.280, 176.054

70, 34.280,
176.054

70, 34.280,
176.054

69, 39.210,
174.742

71, 28.665,
177.248

69, 43.374,
173.292

72, 22.471,
178.350

68, 46.737,
171.680

73, 15.819,
179.379

68, 49.327,
169.892

74, 8.829, 180.361

68, 50.968,
168.423

76, 1.612, 181.510

77, 5.738, 1.993

79, 13.141, 2.867

81, 20.533, 3.674

83, 26.535, 3.393

Harmonies

Complementary

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



70, 34.280, 176.054



51, 42.164, 8.760

Rectangle

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



70, 34.280, 176.054



70, 34.280, 226.054



70, 34.280, 356.054



70, 34.280, 46.054

Sweetspot

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



70, 34.280, 176.053



94, 14.276, 179.966



70, 59.343, 134.918



49, 9.605, 179.765



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, 34.280, 176.053



88, 48.859, 174.488



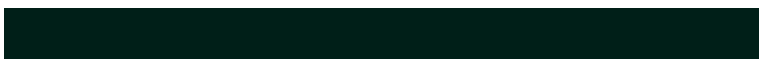
63, 25.439, 233.344



39, 4.129, 180.640



58, 44.721, 168.700



9, 13.395, 174.174

Inverse Universe

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



51, 42.164, 8.760



60, 62.895, 11.871



56, 36.648, 45.882



37, 4.273, 2.219



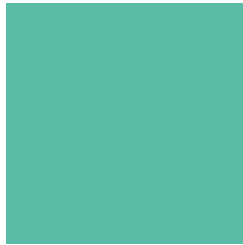
33, 63.642, 26.832



3, 12.597, 6.708

Previews

White Background



This preview shows how the CIELCh color 70, 34.280, 176.054 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, 34.280, 176.054 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

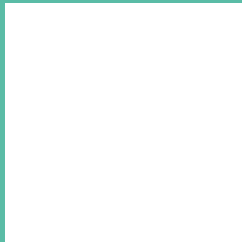
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 34.280, 176.054

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.280, 176.054.

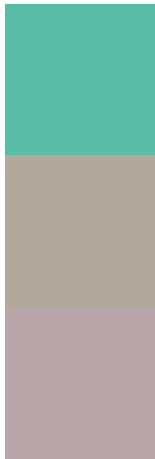


This preview shows how white text looks on a background with the CIELCh color 70, 34.280, 176.054.

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, 34.280, 176.054

Protanopia

69, 7.598, 88.335

Deuteranopia

70, 8.677, 357.985



Tritanopia
70, 26.198, 216.038

Trichromacy



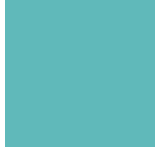
Original Color
70, 34.280, 176.054



Protanomaly
69, 14.612, 161.322



Deuteranomaly
69, 8.425, 183.598



Tritanomaly
70, 27.743, 198.401

Monochromacy



Original Color
70, 34.280, 176.054



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 13.950, 179.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.280, 176.054 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(90, 188, 166)` looks like.

```
.text, #text, p{  
    color:rgb(90, 188, 166)  
}
```

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(90, 188, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 188, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.280, 176.054 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(90, 188, 166) }
```

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

```
.border{ border-color:rgb(90, 188, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 188, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 188, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 188, 166);  
box-shadow:4px 4px 4px 4px rgb(90, 188,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.280, 176.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 188, 166) }
```

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

```
.background{ background-color: rgb(90, 188,  
166) }
```

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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