

Converting Colors

CIELCh(68, 34.923, 181.878)

Have a look what the booklet for
CIELCh(68, 34.923, 181.878)
contains.

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Color

CIELCh(68, 34.940, 181.911)

Conversions

Conversions Part 1

Format	Color
Hex	4AB7A7
RGB	74, 183, 167
RGB Percent	29%, 72%, 65%
CMY	0.7110, 0.2835, 0.3462
CMYK	0.60, 0.00, 0.09, 0.28
HSL	171°, 43%, 50%
HSV	171°, 60%, 72%
XYZ	26.6234, 37.9720, 42.3510
YIQ	148.5850, -59.8280, -28.0840

Conversions

Conversions Part 2

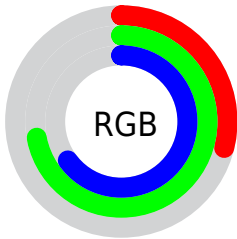
Format	Color
RYB	74, 133, 183
Decimal	4896679
CIELab	68.00, -34.92, -1.17
CIELCh	68, 34.940, 181.911
Yxy	37.9720, 0.2489, 0.3551
Android (android.graphics.Color)	4283086759 (0xFF4AB7A7)
YUV	148.5850, 9.0786, -65.4110
Hunter-Lab	61.6215, -30.7172, 2.3864

Details

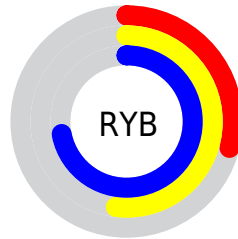
The CIELCh color **68, 34.940, 181.911** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **46, 47.491, 16.569**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.744, 182.225**, and **48, 33.407, 181.596** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.664, 180.770**, and if you desaturate by 10%, it is **69, 30.448, 182.962**.

Distribution



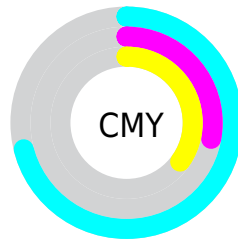
- Red (29%)
- Green (72%)
- Blue (65%)



- Red (29%)
- Yellow (52%)
- Blue (72%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)





- Cyan (71%)
- Magenta (28%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 34.940, 181.911 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 68, 34.940, 181.911 by changing the saturation by 10% instead.


 68, 34.940,
181.911


 68, 34.940,
181.911


 100, 34.940,
181.911


 58, 34.940,
181.911


 88, 34.940,
181.911

 48, 34.940,
181.911

 98, 34.940,
181.911

 38, 34.940,
181.911

 28, 34.940,
181.911

 18, 34.940,
181.911

 8, 34.940, 181.911

 0, 34.940, 181.911

68, 34.940,
181.911

68, 34.940,
181.911

67, 38.664,
180.770

69, 30.448,
182.962

67, 41.582,
179.523

70, 25.264,
183.947

67, 43.711,
178.148

70, 19.492,
184.881

67, 45.223,
176.666

72, 13.245,
185.779

67, 45.270,
176.619

73, 6.636, 186.671

74, 0.230, 5.294

76, 7.261, 8.162

78, 14.380, 8.980

79, 21.525, 9.757

Harmonies

Complementary

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



68, 34.940, 181.911



46, 47.491, 16.569

Rectangle

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



68, 34.940, 181.911



68, 34.940, 231.911



68, 34.940, 1.911



68, 34.940, 51.911

Sweetspot

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



68, 34.940, 181.910



91, 15.022, 185.901



67, 67.040, 136.432



48, 10.457, 185.643



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 34.940, 181.910



85, 48.371, 180.344



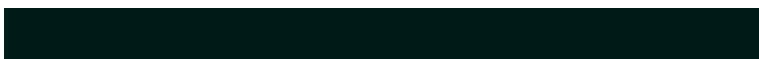
57, 28.734, 247.976



38, 3.903, 186.701



57, 40.108, 176.826



8, 11.203, 181.803

Inverse Universe

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



46, 47.491, 16.569



55, 70.592, 20.987



54, 40.847, 53.493



36, 4.072, 8.153



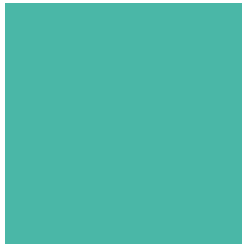
32, 66.063, 32.436



2, 10.789, 10.559

Previews

White Background



This preview shows how the CIE LCh color 68, 34.940, 181.911 looks on a white background.

Color Contrast Check

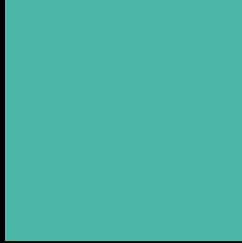
Large Text (above 18pt) WCAG AA × Fail

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 68, 34.940, 181.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

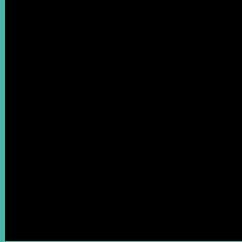
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

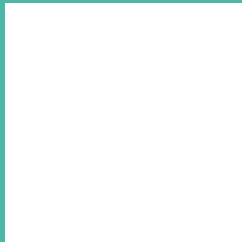
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 34.940, 181.911

Background



This preview shows how black text looks on a background with the CIELCh color 68, 34.940, 181.911.

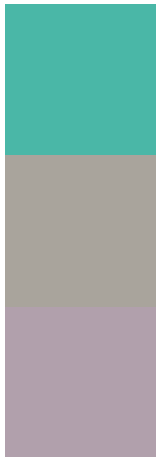


This preview shows how white text looks on a background with the CIELCh color 68, 34.940, 181.911.

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
68, 34.940, 181.911

Protanopia
68, 4.791, 85.802

Deuteranopia
68, 9.255, 334.660



Tritanopia
68, 28.578, 213.157

Trichromacy



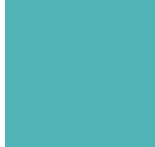
Original Color
68, 34.940, 181.911



Protanomaly
67, 14.956, 174.130



Deuteranomaly
67, 10.451, 204.673



Tritanomaly
68, 29.876, 200.276

Monochromacy



Original Color
68, 34.940, 181.911



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 14.940, 185.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 34.940, 181.911 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(74, 183, 167)` looks like.

```
.text, #text, p{  
    color:rgb(74, 183, 167)  
}
```

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(74, 183, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 183, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 34.940, 181.911 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(74, 183, 167) }
```

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

```
.border{ border-color:rgb(74, 183, 167) }
```

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

Here you see how a box with a 4 pixel rgb(74, 183, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 183, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 183, 167);  
box-shadow:4px 4px 4px 4px rgb(74, 183,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 34.940, 181.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 183, 167) }
```

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

```
.background{ background-color: rgb(74, 183,  
167) }
```

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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