

Converting Colors

CIELCh(70, 19.531, 181.894)

Have a look what the booklet for
CIELCh(70, 19.531, 181.894)
contains.

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Color

CIELCh(70, 19.342, 183.001)

Conversions

Conversions Part 1

Format	Color
Hex	80B5AC
RGB	128, 181, 172
RGB Percent	50%, 71%, 67%
CMY	0.4971, 0.2892, 0.3245
CMYK	0.29, 0.00, 0.05, 0.29
HSL	170°, 26%, 61%
HSV	170°, 29%, 71%
XYZ	32.9866, 40.7494, 45.2844
YIQ	164.1270, -28.6990, -14.0350

Conversions

Conversions Part 2

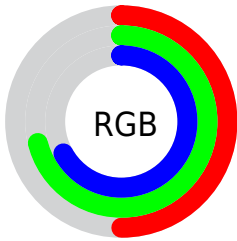
Format	Color
R_{YB}	128, 157, 181
Decimal	8435116
CIE _{Lab}	70.00, -19.32, -1.01
CIE _{LCh}	70, 19.342, 183.001
Yxy	40.7494, 0.2772, 0.3424
Android (android.graphics.Color)	4286625196 (0xFF80B5AC)
YUV	164.1270, 3.8814, -31.6834
Hunter-Lab	63.8353, -19.4725, 2.6246

Details

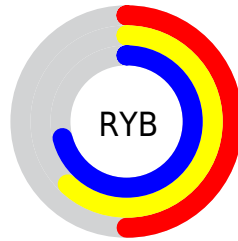
The CIELCh color **70, 19.342, 183.001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 22.061, 8.720**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 19.464, 182.572**, and **50, 19.442, 183.355** is the 20% darker color. If you saturate the color by 10%, you get **69, 25.216, 182.015**, and if you desaturate by 10%, it is **71, 13.021, 183.936**.

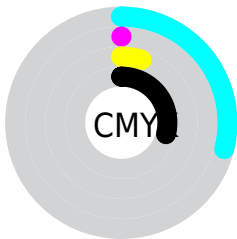
Distribution



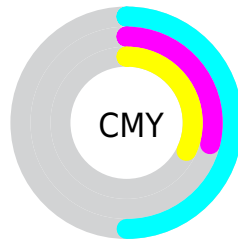
- Red (50%)
- Green (71%)
- Blue (67%)



- Red (50%)
- Yellow (62%)
- Blue (71%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)





- Cyan (50%)
- Magenta (29%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.342, 183.001 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, 19.342, 183.001 by changing the saturation by 10% instead.


 70, 19.342,
183.001


 70, 19.342,
183.001


 100, 19.342,
183.001


 60, 19.342,
183.001


 90, 19.342,
183.001

 50, 19.342,
183.001

 40, 19.342,
183.001

 30, 19.342,
183.001

 20, 19.342,
183.001

 10, 19.342,
183.001

 0, 19.342, 183.001

70, 19.342,
183.001

70, 19.342,
183.001

69, 25.216,
182.015

71, 13.021,
183.936

68, 30.526,
180.970

72, 6.362, 184.860

74, 0.529, 4.725

67, 35.169,
179.843

75, 7.564, 6.394

67, 39.062,
178.616

77, 14.667, 7.223

67, 42.165,
177.265

79, 21.779, 8.008

81, 28.804, 8.737

66, 44.487,
175.770

81, 29.042, 5.583

66, 46.184,
174.153

81, 29.373, 2.494

66, 46.306,

Harmonies

Complementary

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



70, 19.342, 183.001



59, 22.061, 8.720

Rectangle

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



70, 19.342, 183.001



70, 19.342, 233.001



70, 19.342, 3.001



70, 19.342, 53.001

Sweetspot

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



70, 19.343, 182.998



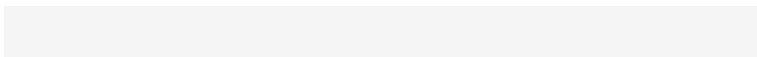
91, 7.639, 184.869



70, 33.394, 137.760



48, 5.293, 184.734



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 19.343, 182.998



88, 28.051, 182.381



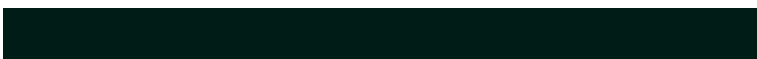
65, 15.179, 236.686



38, 3.939, 184.850



57, 41.258, 174.250



8, 11.369, 179.487

Inverse Universe

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



59, 22.061, 8.720



72, 33.019, 9.672



63, 17.948, 51.666



36, 4.099, 6.349



32, 65.063, 30.862



2, 10.836, 9.190

Previews

White Background



This preview shows how the CIE LCh color 70, 19.342, 183.001 looks on a white background.

Color Contrast Check

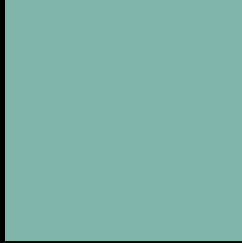
Large Text (above 18pt) WCAG AA × Fail

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, 19.342, 183.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

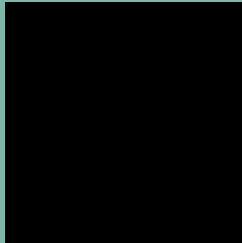
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 19.342, 183.001

Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.342, 183.001.

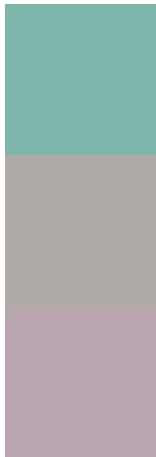


This preview shows how white text looks on a background with the CIELCh color 70, 19.342, 183.001.

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, 19.342, 183.001

Protanopia
70, 2.885, 68.475

Deuteranopia
70, 9.686, 341.872



Tritanopia
70, 16.863, 227.725

Trichromacy



Original Color
70, 19.342, 183.001

Protanomaly
70, 6.850, 170.218

Deuteranomaly
70, 3.360, 240.174

Tritanomaly
70, 16.554, 209.692

Monochromacy



Original Color
70, 19.342, 183.001

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 7.243, 185.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 19.342, 183.001 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(128, 181, 172)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 172)  
}
```

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(128, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 19.342, 183.001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

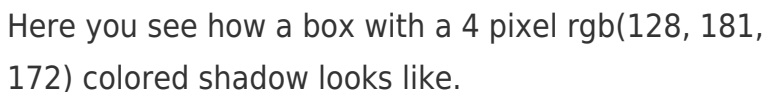
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 181, 172) }
```

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

```
.border{ border-color:rgb(128, 181, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 181, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 181, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 181, 172); box-shadow:4px 4px 4px 4px rgb(128, 181, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 19.342, 183.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 172) }
```

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

```
.background{ background-color: rgb(128,  
181, 172) }
```

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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