

Converting Colors

CIELCh(70, 16.843, 175.496)

Have a look what the booklet for
CIELCh(70, 16.843, 175.496)
contains.

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Color

CIELCh(70, 16.958, 175.175)

Conversions

Conversions Part 1

Format	Color
Hex	89B4A8
RGB	137, 180, 168
RGB Percent	54%, 71%, 66%
CMY	0.4630, 0.2944, 0.3415
CMYK	0.24, 0.00, 0.07, 0.29
HSL	163°, 22%, 62%
HSV	163°, 24%, 71%
XYZ	33.6722, 40.7494, 43.1010
YIQ	165.7750, -21.7760, -12.8480

Conversions

Conversions Part 2

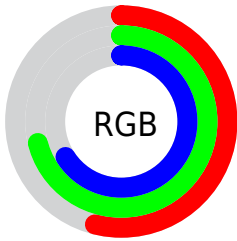
Format	Color
RYB	137, 162, 180
Decimal	9024680
CIELab	70.00, -16.90, 1.43
CIElCh	70, 16.958, 175.175
Yxy	40.7494, 0.2865, 0.3467
Android (android.graphics.Color)	4287214760 (0xFF89B4A8)
YUV	165.7750, 1.0969, -25.2357
Hunter-Lab	63.8353, -17.5555, 4.6526

Details

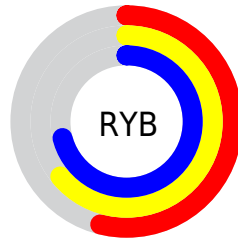
The CIELCh color **70, 16.958, 175.175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 18.268, 359.909**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 17.081, 174.941**, and **50, 16.888, 175.156** is the 20% darker color. If you saturate the color by 10%, you get **69, 23.625, 174.088**, and if you desaturate by 10%, it is **71, 9.989, 176.188**.

Distribution



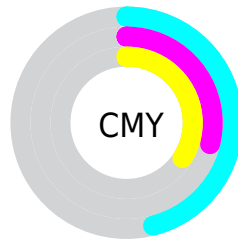
- Red (54%)
- Green (71%)
- Blue (66%)



- Red (54%)
- Yellow (64%)
- Blue (71%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)





- Cyan (46%)
- Magenta (29%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 16.958, 175.175 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, 16.958, 175.175 by changing the saturation by 10% instead.


 70, 16.958,
175.175


 70, 16.958,
175.175


 100, 16.958,
175.175


 60, 16.958,
175.175


 90, 16.958,
175.175

 50, 16.958,
175.175

 40, 16.958,
175.175

 30, 16.958,
175.175

 20, 16.958,
175.175

 10, 16.958,
175.175

 0, 16.958, 175.175

70, 16.958,
175.175

70, 16.958,
175.175

69, 23.625,
174.088

71, 9.989, 176.188

68, 29.869,
172.911

73, 2.822, 177.234

74, 4.448, 357.852

67, 35.573,
171.618

76, 11.744,
358.746

66, 40.630,
170.186

78, 19.006,
359.553

66, 44.962,
168.590

80, 26.188, 0.317

66, 48.538,
166.811

81, 30.504,
358.650

65, 51.389,
164.839

81, 31.407,
354.092

65, 52.915,

81, 32.512,

163.603

349.835

Harmonies

Complementary

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



70, 16.958, 175.175



61, 18.268, 359.909

Rectangle

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



70, 16.958, 175.175



70, 16.958, 225.175



70, 16.958, 355.175



70, 16.958, 45.175

Sweetspot

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



70, 16.959, 175.172



92, 6.277, 176.868



70, 26.310, 135.153



49, 4.074, 176.808



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, 16.959, 175.172



88, 25.293, 174.575



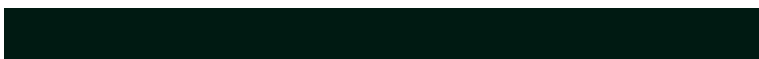
68, 12.662, 222.607



37, 4.061, 176.644



56, 46.742, 163.898



7, 10.513, 170.731

Inverse Universe

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



61, 18.268, 359.909



75, 27.759, 0.649



63, 14.806, 40.920



35, 4.178, 358.238



32, 60.196, 22.053



2, 9.632, 2.070

Previews

White Background



This preview shows how the CIELCh color 70, 16.958, 175.175 looks on a white background.

Color Contrast Check

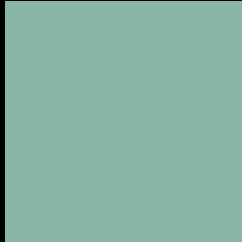
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 16.958, 175.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

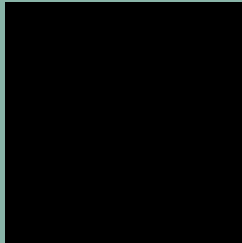
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

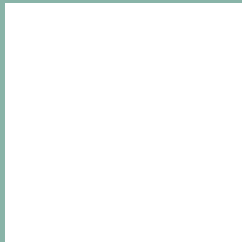
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 16.958, 175.175

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.958, 175.175.

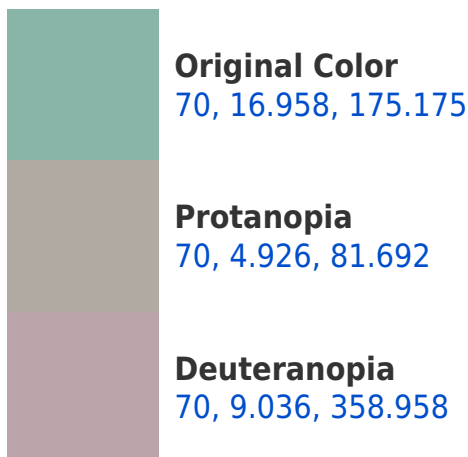


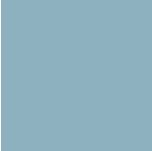
This preview shows how white text looks on a background with the CIELCh color 70, 16.958, 175.175.

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





Tritanopia
70, 14.259, 231.290

Trichromacy



Original Color
70, 16.958, 175.175

Protanomaly
70, 7.143, 149.005

Deuteranomaly
70, 0.375, 200.678

Tritanomaly
70, 13.430, 210.229

Monochromacy



Original Color
70, 16.958, 175.175

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.376, 178.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.958, 175.175 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(137, 180, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 180, 168)  
}
```

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(137, 180, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 180, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.958, 175.175 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(137, 180, 168) }
```

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

```
.border{ border-color:rgb(137, 180, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 180, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 180, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 180, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 180,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.958, 175.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 180, 168) }
```

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

```
.background{ background-color: rgb(137,  
180, 168) }
```

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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