

Converting Colors

CIELCh(70, 17.815, 197.878)

Have a look what the booklet for
CIELCh(70, 17.815, 197.878)
contains.

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Color

CIELCh(70, 17.833, 197.990)

Conversions

Conversions Part 1

Format	Color
Hex	80B4B4
RGB	128, 180, 180
RGB Percent	50%, 71%, 71%
CMY	0.4964, 0.2924, 0.2924
CMYK	0.29, 0.00, 0.00, 0.29
HSL	180°, 26%, 61%
HSV	180°, 29%, 71%
XYZ	33.6541, 40.7494, 49.4994
YIQ	164.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

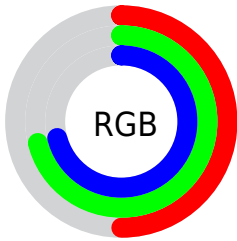
Format	Color
RYB	128, 154, 180
Decimal	8434868
CIELab	70.00, -16.96, -5.51
CIELCh	70, 17.833, 197.990
Yxy	40.7494, 0.2716, 0.3289
Android (android.graphics.Color)	4286624948 (0xFF80B4B4)
YUV	164.4520, 7.6652, -31.9684
Hunter-Lab	63.8353, -17.6060, -1.2902

Details

The CIELCh color **70, 17.833, 197.990** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 21.647, 21.726**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 17.960, 198.248**, and **50, 17.880, 197.571** is the 20% darker color. If you saturate the color by 10%, you get **69, 23.048, 197.571**, and if you desaturate by 10%, it is **71, 12.052, 198.460**.

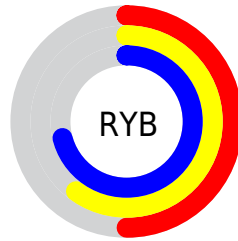
Distribution



Red (50%)

Green (71%)

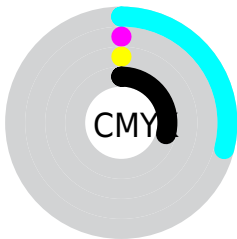
Blue (71%)



Red (50%)

Yellow (60%)

Blue (71%)

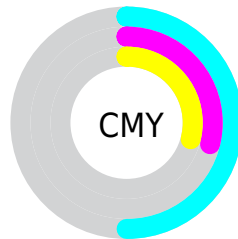


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (50%)


Magenta (29%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 17.833, 197.990 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, 17.833, 197.990 by changing the saturation by 10% instead.


 70, 17.833,
197.990


 70, 17.833,
197.990


 100, 17.833,
197.990


 60, 17.833,
197.990


 90, 17.833,
197.990

 50, 17.833,
197.990

 40, 17.833,
197.990

 30, 17.833,
197.990

 20, 17.833,
197.990

 10, 17.833,
197.990

 0, 17.833, 197.990

70, 17.833,
197.990

70, 17.833,
197.990

69, 23.048,
197.571

71, 12.052,
198.460

68, 27.593,
197.216

72, 5.809, 199.011

68, 31.386,
196.925

74, 0.791, 18.820

75, 7.656, 19.971

67, 34.367,
196.699

77, 14.704, 20.596

67, 36.520,
196.537

79, 21.865, 21.217

80, 29.085, 21.840

67, 37.876,
196.435

80, 29.197, 21.849

67, 38.584,
196.382

80, 29.197, 21.847

67, 38.656,

Harmonies

Complementary

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



70, 17.833, 197.990



59, 21.647, 21.726

Rectangle

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



70, 17.833, 197.990



70, 17.833, 247.990



70, 17.833, 17.990



70, 17.833, 67.990

Sweetspot

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



70, 17.833, 197.986



91, 7.327, 198.991



69, 34.587, 142.080



48, 5.069, 198.905



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, 17.833, 197.986



88, 26.086, 197.699



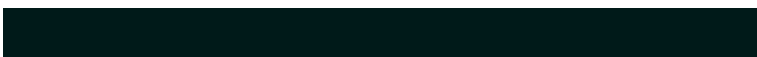
63, 16.486, 257.961



37, 3.691, 198.981



57, 34.228, 196.376



7, 9.138, 199.094

Inverse Universe

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



59, 21.647, 21.726



71, 33.339, 22.587



65, 17.978, 70.124



35, 3.911, 19.907



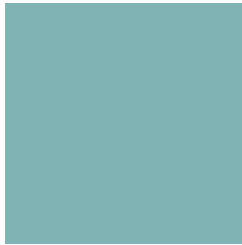
31, 70.928, 39.524



2, 9.156, 19.401

Previews

White Background



This preview shows how the CIELCh color 70, 17.833, 197.990 looks on a white background.

Color Contrast Check

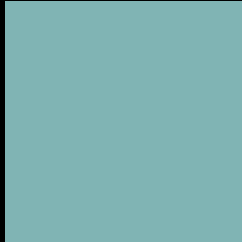
Large Text (above 18pt) WCAG AA × Fail

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, 17.833, 197.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

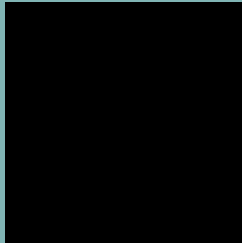
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

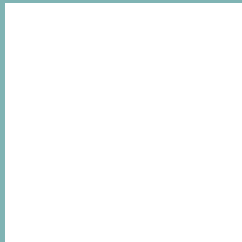
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 17.833, 197.990

Background



This preview shows how black text looks on a background with the CIELCh color 70, 17.833, 197.990.

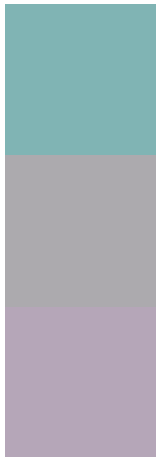


This preview shows how white text looks on a background with the CIELCh color 70, 17.833, 197.990.

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, 17.833, 197.990

Protanopia
70, 2.331, 309.121

Deuteranopia
70, 11.373, 320.220



Tritanopia
70, 17.458, 224.508

Trichromacy



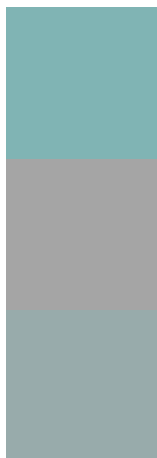
Original Color
70, 17.833, 197.990

Protanomaly
70, 6.620, 208.496

Deuteranomaly
70, 7.272, 264.320

Tritanomaly
70, 17.255, 212.950

Monochromacy



Original Color
70, 17.833, 197.990

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.961, 198.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 17.833, 197.990 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, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 180)  
}
```

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, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 17.833, 197.990 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, 180, 180) }
```

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

```
.border{ border-color:rgb(128, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 17.833, 197.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 180) }
```

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

```
.background{ background-color: rgb(128,  
180, 180) }
```

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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