

Converting Colors

CIELCh(70, 11.842, 197.224)

Have a look what the booklet for
CIELCh(70, 11.842, 197.224)
contains.

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Color

CIELCh(70, 11.758, 198.477)

Conversions

Conversions Part 1

Format	Color
Hex	90B1B1
RGB	144, 177, 177
RGB Percent	56%, 69%, 69%
CMY	0.4338, 0.3044, 0.3044
CMYK	0.19, 0.00, 0.00, 0.30
HSL	180°, 18%, 63%
HSV	180°, 19%, 70%
XYZ	35.3396, 40.7494, 47.7992
YIQ	167.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

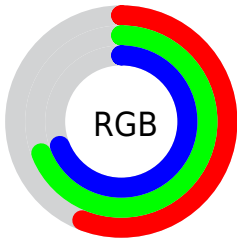
Format	Color
RYB	144, 161, 177
Decimal	9482673
CIELab	70.00, -11.15, -3.73
CIElCh	70, 11.758, 198.477
Yxy	40.7494, 0.2853, 0.3289
Android (android.graphics.Color)	4287672753 (0xFF90B1B1)
YUV	167.1330, 4.8644, -20.2876
Hunter-Lab	63.8353, -12.8929, 0.2890

Details

The CIELCh color **70, 11.758, 198.477** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 13.257, 20.674**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 11.964, 198.650**, and **50, 11.574, 198.204** is the 20% darker color. If you saturate the color by 10%, you get **69, 17.473, 197.995**, and if you desaturate by 10%, it is **71, 5.593, 199.023**.

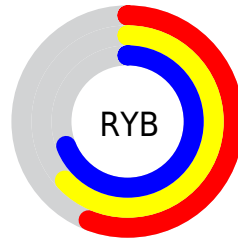
Distribution



Red (56%)

Green (69%)

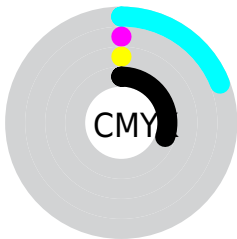
Blue (69%)



Red (56%)

Yellow (63%)

Blue (69%)

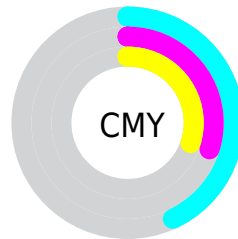


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (30%)



Cyan (43%)


Magenta (30%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 11.758, 198.477 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, 11.758, 198.477 by changing the saturation by 10% instead.


 70, 11.758,
198.477


 70, 11.758,
198.477


 100, 11.758,
198.477


 60, 11.758,
198.477


 90, 11.758,
198.477

 50, 11.758,
198.477

 40, 11.758,
198.477

 30, 11.758,
198.477

 20, 11.758,
198.477

 10, 11.758,
198.477

 0, 11.758, 198.477

70, 11.758,
198.477

70, 11.758,
198.477

69, 17.473,
197.995

71, 5.593, 199.023

68, 22.631,
197.579

73, 0.924, 18.929

74, 7.699, 19.982

67, 27.134,
197.223

76, 14.652, 20.606

67, 30.896,
196.930

77, 21.717, 21.226

79, 28.838, 21.849

66, 33.860,
196.702

80, 30.523, 21.995

66, 36.009,
196.538

80, 30.523, 21.993

80, 30.523, 21.992

66, 37.370,
196.434

66, 38.087,

196.379

■ 66, 38.172,
196.373

Harmonies

Complementary

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



70, 11.758, 198.477



63, 13.257, 20.674

Rectangle

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



70, 11.758, 198.477



70, 11.758, 248.477



70, 11.758, 18.477



70, 11.758, 68.477

Sweetspot

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



70, 11.759, 198.470



90, 4.834, 199.193



69, 22.016, 142.869



48, 3.198, 199.147



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 11.759, 198.470



88, 16.934, 198.285



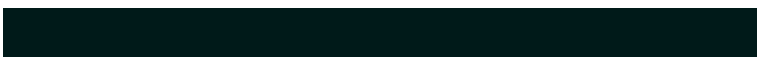
66, 10.582, 256.175



37, 3.691, 198.979



57, 34.228, 196.373



7, 9.138, 199.091

Inverse Universe

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



63, 13.257, 20.674



77, 19.604, 21.029



67, 11.159, 71.350



35, 3.911, 19.905



31, 70.927, 39.523



2, 9.156, 19.399

Previews

White Background



This preview shows how the CIELCh color 70, 11.758, 198.477 looks on a white background.

Color Contrast Check

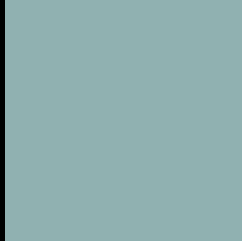
Large Text (above 18pt) WCAG AA × Fail

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, 11.758, 198.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

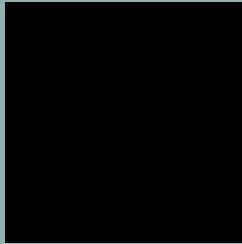
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

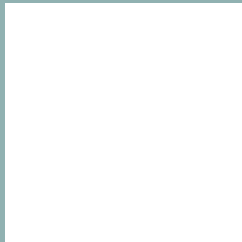
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 11.758, 198.477

Background



This preview shows how black text looks on a background with the CIELCh color 70, 11.758, 198.477.

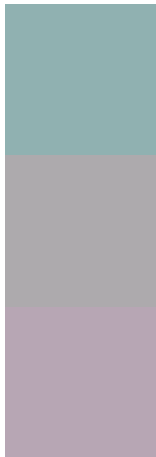


This preview shows how white text looks on a background with the CIELCh color 70, 11.758, 198.477.

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, 11.758, 198.477

Protanopia

70, 2.010, 324.420

Deuteranopia

70, 10.000, 330.252



Tritanopia
70, 12.431, 237.024

Trichromacy



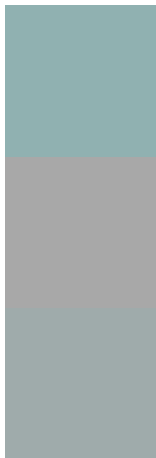
Original Color
70, 11.758, 198.477

Protanomaly
70, 3.826, 215.889

Deuteranomaly
70, 4.944, 286.416

Tritanomaly
70, 11.581, 220.949

Monochromacy



Original Color
70, 11.758, 198.477

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 4.441, 199.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 11.758, 198.477 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(144, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(144, 177, 177)  
}
```

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(144, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 177, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 11.758, 198.477 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(144, 177, 177) }
```

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

```
.border{ border-color:rgb(144, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(144, 177,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 11.758, 198.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 177, 177) }
```

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

```
.background{ background-color: rgb(144,  
177, 177) }
```

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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