

Converting Colors

CIELCh(70, 13.774, 198.390)

Have a look what the booklet for
CIELCh(70, 13.774, 198.390)
contains.

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Color

CIELCh(70, 13.737, 198.315)

Conversions

Conversions Part 1

Format	Color
Hex	8BB2B2
RGB	139, 178, 178
RGB Percent	55%, 70%, 70%
CMY	0.4534, 0.3004, 0.3004
CMYK	0.22, 0.00, 0.00, 0.30
HSL	180°, 20%, 62%
HSV	180°, 22%, 70%
XYZ	34.7855, 40.7494, 48.3582
YIQ	166.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

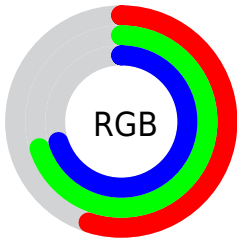
Format	Color
RYB	139, 159, 178
Decimal	9155250
CIELab	70.00, -13.04, -4.32
CIElCh	70, 13.737, 198.315
Yxy	40.7494, 0.2808, 0.3289
Android (android.graphics.Color)	4287345330 (0xFF8BB2B2)
YUV	166.3390, 5.7489, -23.9763
Hunter-Lab	63.8353, -14.4425, -0.2303

Details

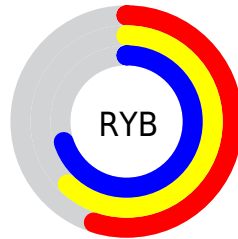
The CIELCh color **70, 13.737, 198.315** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 15.848, 20.982**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 13.899, 198.518**, and **50, 13.574, 197.999** is the 20% darker color. If you saturate the color by 10%, you get **69, 19.307, 197.854**, and if you desaturate by 10%, it is **71, 7.680, 198.831**.

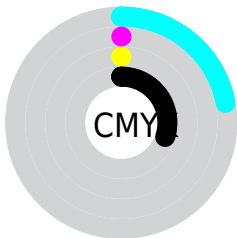
Distribution



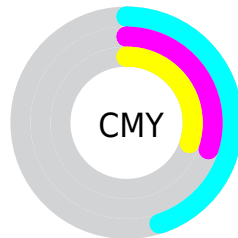
- Red (55%)
- Green (70%)
- Blue (70%)



- Red (55%)
- Yellow (62%)
- Blue (70%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)





- Cyan (45%)
- Magenta (30%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 13.737, 198.315 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, 13.737, 198.315 by changing the saturation by 10% instead.


 70, 13.737,
198.315


 70, 13.737,
198.315


 100, 13.737,
198.315


 60, 13.737,
198.315


 90, 13.737,
198.315

 50, 13.737,
198.315

 40, 13.737,
198.315

 30, 13.737,
198.315

 20, 13.737,
198.315

 10, 13.737,
198.315

 0, 13.737, 198.315

70, 13.737,
198.315

70, 13.737,
198.315

69, 19.307,
197.854

71, 7.680, 198.831

68, 24.284,
197.456

72, 1.237, 199.706

74, 5.494, 19.767

67, 28.572,
197.121

75, 12.429, 20.406

67, 32.093,
196.849

77, 19.497, 21.025

79, 26.637, 21.647

66, 34.802,
196.642

80, 30.083, 21.947

66, 36.694,
196.499

80, 30.083, 21.945

80, 30.083, 21.944

66, 37.817,
196.414

66, 38.332,

Harmonies

Complementary

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



70, 13.737, 198.315



62, 15.848, 20.982

Rectangle

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



70, 13.737, 198.315



70, 13.737, 248.315



70, 13.737, 18.315



70, 13.737, 68.315

Sweetspot

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



70, 13.738, 198.310



91, 5.676, 199.121



69, 26.006, 142.630



49, 3.713, 199.082



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, 13.738, 198.310



88, 19.910, 198.094



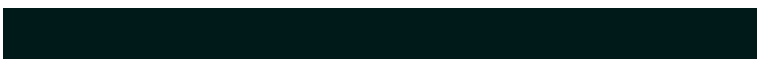
65, 12.462, 256.708



37, 3.691, 198.980



57, 34.228, 196.375



7, 9.138, 199.093

Inverse Universe

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



62, 15.848, 20.982



76, 23.741, 21.454



66, 13.279, 70.961



35, 3.911, 19.906



31, 70.927, 39.523



2, 9.156, 19.400

Previews

White Background



This preview shows how the CIELCh color 70, 13.737, 198.315 looks on a white background.

Color Contrast Check

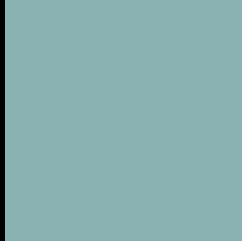
Large Text (above 18pt) WCAG AA × Fail

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, 13.737, 198.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

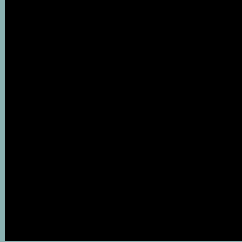
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

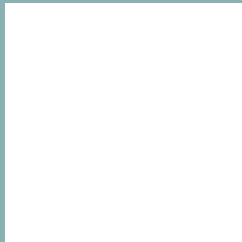
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 13.737, 198.315

Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.737, 198.315.

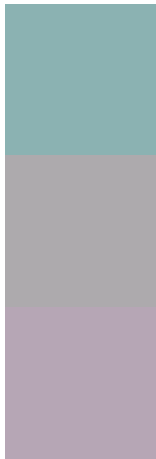


This preview shows how white text looks on a background with the CIELCh color 70, 13.737, 198.315.

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, 13.737, 198.315

Protanopia
70, 2.010, 324.420

Deuteranopia
70, 10.199, 326.630



Tritanopia
70, 13.993, 232.007

Trichromacy



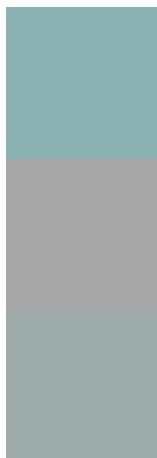
Original Color
70, 13.737, 198.315

Protanomaly
70, 4.524, 213.191

Deuteranomaly
70, 5.120, 274.063

Tritanomaly
70, 13.401, 217.645

Monochromacy



Original Color
70, 13.737, 198.315

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 5.167, 199.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 13.737, 198.315 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(139, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(139, 178, 178)  
}
```

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(139, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 178, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 13.737, 198.315 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(139, 178, 178) }
```

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

```
.border{ border-color:rgb(139, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(139, 178,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 13.737, 198.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 178, 178) }
```

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

```
.background{ background-color: rgb(139,  
178, 178) }
```

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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