

Converting Colors

CIELCh(77, 13.371, 198.441)

Have a look what the booklet for
CIELCh(77, 13.371, 198.441)
contains.

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Color

CIELCh(77, 13.240, 198.437)

Conversions

Conversions Part 1

Format	Color
Hex	9FC5C5
RGB	159, 197, 197
RGB Percent	62%, 77%, 77%
CMY	0.3752, 0.2261, 0.2262
CMYK	0.19, 0.00, 0.00, 0.23
HSL	180°, 25%, 70%
HSV	180°, 19%, 77%
XYZ	44.5180, 51.5317, 60.6209
YIQ	185.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

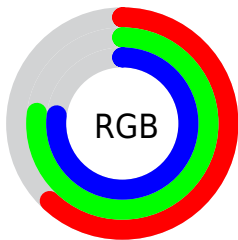
Format	Color
RYB	159, 178, 197
Decimal	10470853
CIELab	77.00, -12.56, -4.19
CIELCh	77, 13.240, 198.437
Yxy	51.5317, 0.2842, 0.3289
Android (android.graphics.Color)	4288660933 (0xFF9FC5C5)
YUV	185.6380, 5.6015, -23.3615
Hunter-Lab	71.7856, -14.9276, 0.1812

Details

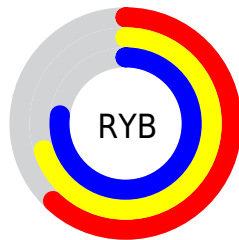
The CIELCh color **77, 13.240, 198.437** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 15.011, 20.747**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.420, 198.607**, and **57, 13.076, 198.180** is the 20% darker color. If you saturate the color by 10%, you get **76, 19.427, 197.957**, and if you desaturate by 10%, it is **78, 6.550, 198.979**.

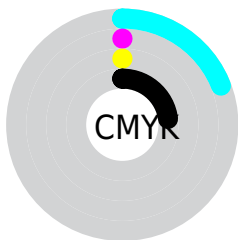
Distribution



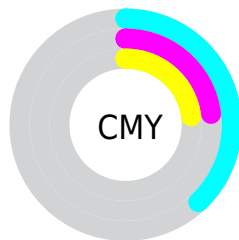
- Red (62%)
- Green (77%)
- Blue (77%)



- Red (62%)
- Yellow (70%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 13.240, 198.437 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 77, 13.240, 198.437 by changing the saturation by 10% instead.


 77, 13.240,
198.437


 77, 13.240,
198.437


 100, 13.240,
198.437


 67, 13.240,
198.437


 97, 13.240,
198.437

 57, 13.240,
198.437

 47, 13.240,
198.437

 37, 13.240,
198.437

 27, 13.240,
198.437

 17, 13.240,
198.437

 7, 13.240, 198.437

0, 13.240, 198.437

77, 13.240,
198.437

77, 13.240,
198.437

76, 19.427,
197.957

78, 6.550, 198.979

75, 24.991,
197.543

80, 0.535, 18.418

74, 29.826,
197.190

81, 7.909, 19.945

73, 33.839,
196.902

85, 22.012, 21.105

73, 36.972,
196.680

85, 22.012, 21.103

73, 39.209,
196.522

85, 22.012, 21.100

85, 22.012, 21.098

■ 72, 40.589,
196.425

■ 85, 22.012, 21.096

■ 72, 41.279,
196.376

■ 72, 41.321,
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.



77, 13.240, 198.437



69, 15.011, 20.747

Rectangle

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



77, 13.240, 198.437



77, 13.240, 248.437



77, 13.240, 18.437



77, 13.240, 68.437

Sweetspot

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



77, 13.241, 198.431



99, 5.264, 199.190



76, 24.857, 142.812



53, 3.486, 199.143



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 13.241, 198.431



96, 19.208, 198.230



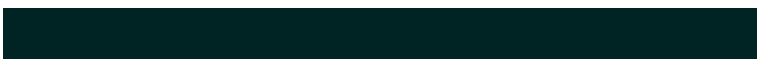
72, 11.939, 256.302



41, 4.034, 198.972



61, 35.891, 196.374



12, 12.984, 196.376

Inverse Universe

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



69, 15.011, 20.747



84, 22.421, 21.145



74, 12.621, 71.256



39, 4.279, 19.916



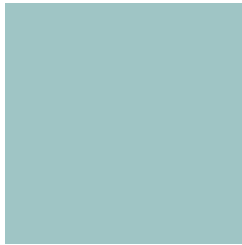
34, 74.641, 39.773



3, 15.885, 19.401

Previews

White Background



This preview shows how the CIELCh color 77, 13.240, 198.437 looks on a white background.

Color Contrast Check

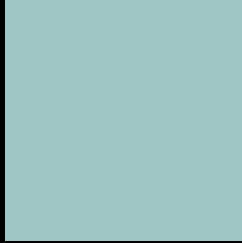
Large Text (above 18pt) WCAG AA × Fail

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 77, 13.240, 198.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

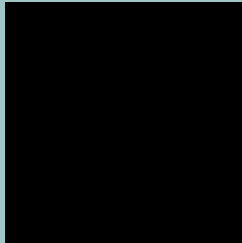
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

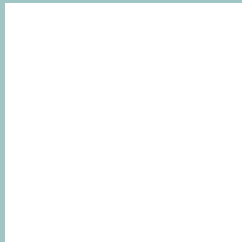
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 13.240, 198.437

Background



This preview shows how black text looks on a background with the CIELCh color 77, 13.240, 198.437.

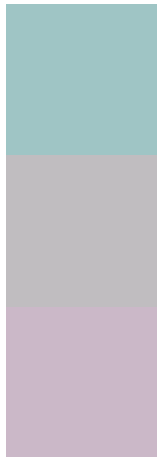


This preview shows how white text looks on a background with the CIELCh color 77, 13.240, 198.437.

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

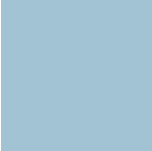
77, 13.240, 198.437

Protanopia

77, 1.972, 324.400

Deuteranopia

77, 11.108, 329.634



Tritanopia
77, 13.868, 237.247

Trichromacy



Original Color
77, 13.240, 198.437

Protanomaly
77, 4.447, 213.198

Deuteranomaly
77, 5.415, 283.040

Tritanomaly
77, 12.969, 223.205

Monochromacy



Original Color
77, 13.240, 198.437

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 5.076, 199.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 13.240, 198.437 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(159, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(159, 197, 197)  
}
```

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(159, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 13.240, 198.437 is called "border". The border property can be set on classes, ids or directly on the HTML element.

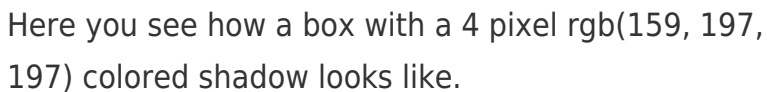
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 197, 197) }
```

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

```
.border{ border-color:rgb(159, 197, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(159, 197,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 13.240, 198.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 197, 197) }
```

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

```
.background{ background-color: rgb(159,  
197, 197) }
```

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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