

Converting Colors

CIELCh(78, 13.840, 200.642)

Have a look what the booklet for
CIELCh(78, 13.840, 200.642)
contains.

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Color

CIELCh(78, 13.828, 200.642)

Conversions

Conversions Part 1

Format	Color
Hex	A0C8C9
RGB	160, 200, 201
RGB Percent	63%, 78%, 79%
CMY	0.3712, 0.2143, 0.2104
CMYK	0.20, 0.00, 0.00, 0.21
HSL	181°, 28%, 71%
HSV	181°, 20%, 79%
XYZ	45.8837, 53.2120, 63.3258
YIQ	188.1540, -24.1610, -8.1690

Conversions

Conversions Part 2

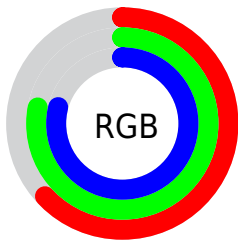
Format	Color
RYB	160, 180, 201
Decimal	10537161
CIELab	78.00, -12.94, -4.87
CIELCh	78, 13.828, 200.642
Yxy	53.2120, 0.2825, 0.3276
Android (android.graphics.Color)	4288727241 (0xFFA0C8C9)
YUV	188.1540, 6.3331, -24.6911
Hunter-Lab	72.9466, -15.3793, -0.4077

Details

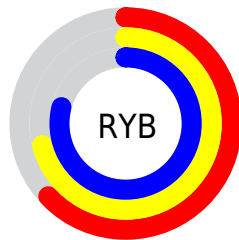
The CIELCh color **78, 13.828, 200.642** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 15.830, 22.759**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.412, 198.611**, and **58, 13.983, 200.470** is the 20% darker color. If you saturate the color by 10%, you get **77, 19.890, 200.274**, and if you desaturate by 10%, it is **79, 7.248, 201.082**.

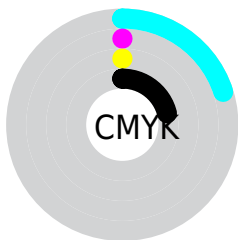
Distribution



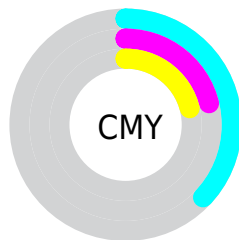
- Red (63%)
- Green (78%)
- Blue (79%)



- Red (63%)
- Yellow (71%)
- Blue (79%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (37%)
- Magenta (21%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 13.828, 200.642 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 78, 13.828, 200.642 by changing the saturation by 10% instead.


 78, 13.828,
200.642

 78, 13.828,
200.642


 100, 13.828,
200.642


 68, 13.828,
200.642


 98, 13.828,
200.642

 58, 13.828,
200.642

 48, 13.828,
200.642

 38, 13.828,
200.642

 28, 13.828,
200.642

 18, 13.828,
200.642

 8, 13.828, 200.642

0, 13.828, 200.642

78, 13.828,
200.642

78, 13.828,
200.642

77, 19.890,
200.274

79, 7.248, 201.082

76, 25.318,
199.989

81, 0.262, 203.592

83, 7.029, 21.883

75, 30.001,
199.790

85, 14.534, 22.450

74, 33.850,
199.684

86, 19.834, 23.060

86, 19.664, 23.796

73, 36.804,
199.680

86, 19.499, 24.545

73, 38.850,
199.783

86, 19.337, 25.307

■ 72, 40.031,
199.996

■ 87, 19.178, 26.082

■ 72, 40.538,
200.287

Harmonies

Complementary

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



78, 13.828, 200.642



70, 15.830, 22.759

Rectangle

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



78, 13.828, 200.642



78, 13.828, 250.642



78, 13.828, 20.642



78, 13.828, 70.642

Sweetspot

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



78, 13.829, 200.636



99, 5.137, 201.326



77, 26.567, 143.580



53, 3.402, 201.284



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 13.829, 200.636



96, 19.476, 200.483



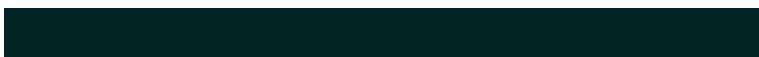
73, 13.210, 260.161



41, 3.936, 201.134



59, 34.701, 200.227



11, 12.644, 199.355

Inverse Universe

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



71, 26.450, 326.208



85, 37.760, 326.427



75, 13.860, 74.645



39, 7.262, 325.589



38, 81.214, 329.212



4, 26.195, 327.817

Previews

White Background



This preview shows how the CIE LCh color 78, 13.828, 200.642 looks on a white background.

Color Contrast Check

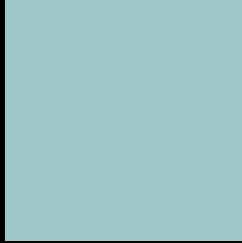
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 78, 13.828, 200.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

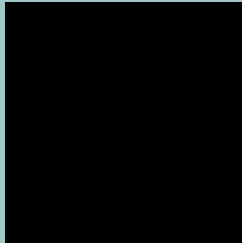
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 13.828, 200.642

Background



This preview shows how black text looks on a background with the CIELCh color 78, 13.828, 200.642.

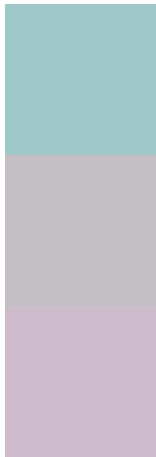


This preview shows how white text looks on a background with the CIELCh color 78, 13.828, 200.642.

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

78, 13.828, 200.642

Protanopia

78, 3.077, 318.856

Deuteranopia

78, 11.493, 327.939



Tritanopia
78, 14.344, 235.605

Trichromacy



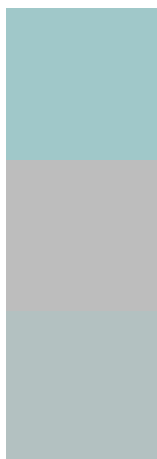
Original Color
78, 13.828, 200.642

Protanomaly
78, 4.775, 225.937

Deuteranomaly
78, 5.977, 280.373

Tritanomaly
78, 13.531, 222.023

Monochromacy



Original Color
78, 13.828, 200.642

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 5.062, 199.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 13.828, 200.642 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(160, 200, 201)` looks like.

```
.text, #text, p{  
    color:rgb(160, 200, 201)  
}
```

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(160, 200, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 200, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 13.828, 200.642 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(160, 200, 201) }
```

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

```
.border{ border-color:rgb(160, 200, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 200, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 200, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 200, 201);  
box-shadow:4px 4px 4px 4px rgb(160, 200,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 13.828, 200.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 200, 201) }
```

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

```
.background{ background-color: rgb(160,  
200, 201) }
```

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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