

Converting Colors

CIELCh(78, 4.340, 197.780)

Have a look what the booklet for
CIELCh(78, 4.340, 197.780) contains.

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Color

CIELCh(78, 4.342, 199.193)

Conversions

Conversions Part 1

Format	Color
Hex	B7C3C3
RGB	183, 195, 195
RGB Percent	72%, 76%, 76%
CMY	0.2812, 0.2342, 0.2342
CMYK	0.06, 0.00, 0.00, 0.23
HSL	180°, 9%, 74%
HSV	180°, 6%, 77%
XYZ	49.0563, 53.2120, 59.4833
YIQ	191.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

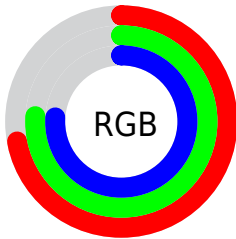
Format	Color
RYB	183, 189, 195
Decimal	12043203
CIELab	78.00, -4.10, -1.43
CIELCh	78, 4.342, 199.193
Yxy	53.2120, 0.3033, 0.3290
Android (android.graphics.Color)	4290233283 (0xFFB7C3C3)
YUV	191.4120, 1.7689, -7.3773
Hunter-Lab	72.9466, -7.6159, 2.7154

Details

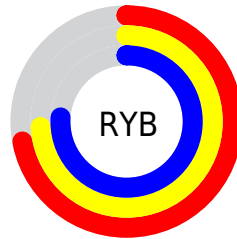
The CIELCh color **78, 4.342, 199.193** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75, 4.512, 19.639**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 4.492, 199.264**, and **58, 4.211, 199.092** is the 20% darker color. If you saturate the color by 10%, you get **77, 11.111, 198.576**, and if you desaturate by 10%, it is **79, 2.781, 19.406**.

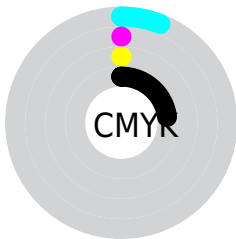
Distribution



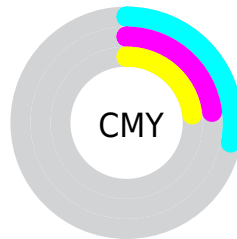
- Red (72%)
- Green (76%)
- Blue (76%)



- Red (72%)
- Yellow (74%)
- Blue (76%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (28%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 4.342, 199.193 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, 4.342, 199.193 by changing the saturation by 10% instead.

■ 78, 4.342, 199.193

■ 78, 4.342, 199.193

■ 100, 4.342,
199.193

■ 68, 4.342, 199.193

■ 98, 4.342, 199.193

■ 58, 4.342, 199.193

■ 48, 4.342, 199.193

■ 38, 4.342, 199.193

■ 28, 4.342, 199.193

■ 18, 4.342, 199.193

■ 8, 4.342, 199.193

■ 0, 4.342, 199.193

■ 78, 4.342, 199.193

■ 78, 4.342, 199.193

77, 11.111,
198.576

79, 2.781, 19.406

75, 17.414,
198.082

81, 10.164, 20.130

74, 23.138,
197.649

83, 17.720, 20.755

74, 28.171,
197.276

84, 22.864, 21.172

73, 32.416,
196.966

84, 22.863, 21.165

72, 35.802,
196.722

84, 22.863, 21.159

72, 38.301,
196.543

84, 22.863, 21.152

72, 39.931,
196.425

84, 22.863, 21.145

72, 40.782,

84, 22.862, 21.138

Harmonies

Complementary

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



78, 4.342, 199.193



75, 4.512, 19.639

Rectangle

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



78, 4.342, 199.193



78, 4.342, 249.193



78, 4.342, 19.193



78, 4.342, 69.193

Sweetspot

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



78, 4.343, 199.171



100, 1.770, 199.645



78, 7.810, 143.689



53, 1.006, 199.670



0, 0.000, 0.000



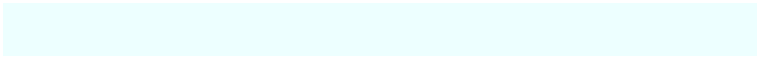
53, 0.007, 296.813

Same Dimension

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



78, 4.343, 199.171



99, 6.127, 199.103



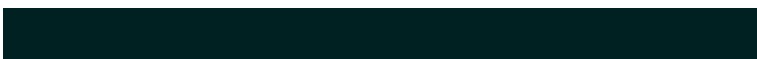
76, 3.813, 254.449



40, 3.174, 199.077



60, 35.481, 196.346



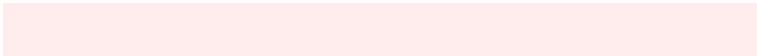
11, 12.445, 196.362

Inverse Universe

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



75, 4.512, 19.639



95, 6.404, 19.719



77, 3.865, 72.768



39, 3.325, 19.750



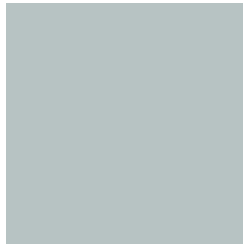
33, 73.717, 39.713



3, 13.999, 19.390

Previews

White Background



This preview shows how the CIELCh color 78, 4.342, 199.193 looks on a white background.

Color Contrast Check

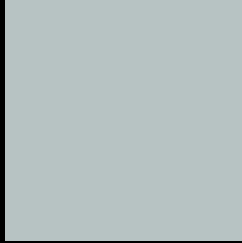
Large Text (above 18pt) WCAG AA × Fail

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 78, 4.342, 199.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

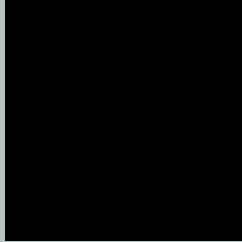
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

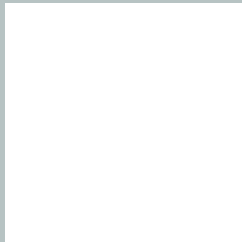
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 4.342, 199.193

Background



This preview shows how black text looks on a background with the CIELCh color 78, 4.342, 199.193.

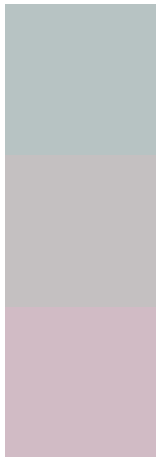


This preview shows how white text looks on a background with the CIELCh color 78, 4.342, 199.193.

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, 4.342, 199.193

Protanopia

78, 1.579, 359.395

Deuteranopia

78, 9.772, 347.051



Tritanopia
78, 8.965, 272.673

Trichromacy



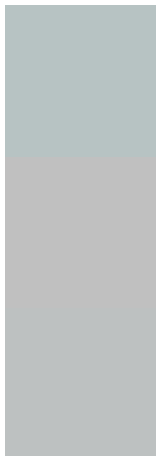
Original Color
78, 4.342, 199.193

Protanomaly
78, 0.905, 236.346

Deuteranomaly
78, 4.915, 338.927

Tritanomaly
78, 6.366, 256.751

Monochromacy



Original Color
78, 4.342, 199.193

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 1.463, 199.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 4.342, 199.193 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(183, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(183, 195, 195)  
}
```

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(183, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 195, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 4.342, 199.193 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(183, 195, 195) }
```

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

```
.border{ border-color:rgb(183, 195, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 195, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(183, 195,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 4.342, 199.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 195, 195) }
```

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

```
.background{ background-color: rgb(183,  
195, 195) }
```

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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