

Converting Colors

CIELCh(78, 20.018, 136.028)

Have a look what the booklet for
CIELCh(78, 20.018, 136.028)
contains.

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Color

CIELCh(78, 19.839, 135.852)

Conversions

Conversions Part 1

Format	Color
Hex	B0C8A7
RGB	176, 200, 167
RGB Percent	69%, 78%, 65%
CMY	0.3105, 0.2164, 0.3458
CMYK	0.12, 0.00, 0.17, 0.22
HSL	104°, 23%, 72%
HSV	104°, 17%, 78%
XYZ	45.4307, 53.2120, 44.3467
YIQ	189.0620, -3.7110, -15.3510

Conversions

Conversions Part 2

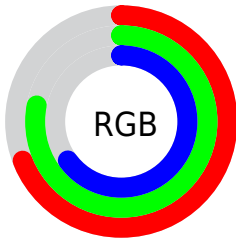
Format	Color
RYB	167, 200, 191
Decimal	11585703
CIELab	78.00, -14.24, 13.82
CIElCh	78, 19.839, 135.852
Yxy	53.2120, 0.3177, 0.3721
Android (android.graphics.Color)	4289775783 (0xFFB0C8A7)
YUV	189.0620, -10.8766, -11.4554
Hunter-Lab	72.9466, -16.4878, 15.0182

Details

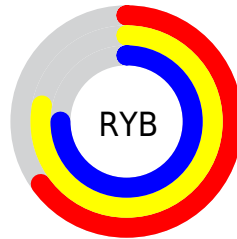
The CIELCh color $78, 19.839, 135.852$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $71, 20.066, 317.284$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $98, 18.765, 135.077$, and $58, 19.858, 136.079$ is the 20% darker color. If you saturate the color by 10%, you get $77, 31.889, 135.326$, and if you desaturate by 10%, it is $79, 7.791, 136.339$.

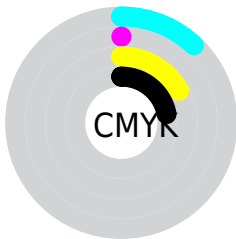
Distribution



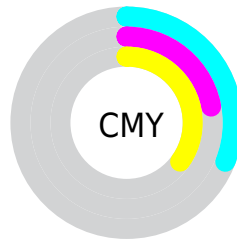
- Red (69%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (31%)
- Magenta (22%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 19.839, 135.852 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, 19.839, 135.852 by changing the saturation by 10% instead.


 78, 19.839,
135.852


 78, 19.839,
135.852


 100, 19.839,
135.852


 68, 19.839,
135.852


 98, 19.839,
135.852

 58, 19.839,
135.852

 48, 19.839,
135.852

 38, 19.839,
135.852

 28, 19.839,
135.852

 18, 19.839,
135.852

 8, 19.839, 135.852

0, 19.839, 135.852

78, 19.839,
135.852

78, 19.839,
135.852

77, 31.889,
135.326

79, 7.791, 136.339

75, 43.793,
134.760

81, 4.159, 316.687

74, 55.354,
134.174

83, 15.937,
317.085

73, 66.300,
133.615

85, 27.493,
317.405

73, 76.260,
133.157

86, 33.487,
322.235

72, 84.759,
132.908

87, 34.613,
325.628

■ 71, 91.286,
132.998

■ 71, 95.515,
133.504

■ 71, 96.667,
133.689

Harmonies

Complementary

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



78, 19.839, 135.852



71, 20.066, 317.284

Rectangle

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



78, 19.839, 135.852



78, 19.839, 185.852



78, 19.839, 315.852



78, 19.839, 5.852

Sweetspot

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



78, 19.841, 135.853



99, 7.282, 136.410



77, 13.134, 92.897



53, 4.971, 136.374



0, 0.000, 0.000



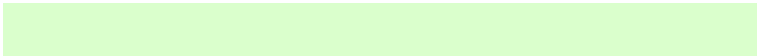
53, 0.007, 296.813

Same Dimension

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



78, 19.841, 135.853



96, 29.314, 135.660



78, 18.558, 149.993



41, 6.769, 136.202



59, 83.000, 133.514



11, 24.646, 138.059

Inverse Universe

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



71, 20.066, 317.284



87, 29.716, 317.451



72, 18.635, 332.152



39, 6.819, 316.970



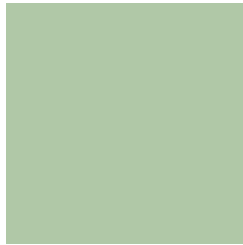
31, 85.294, 318.324



3, 23.769, 315.149

Previews

White Background



This preview shows how the CIELCh color 78, 19.839, 135.852 looks on a white background.

Color Contrast Check

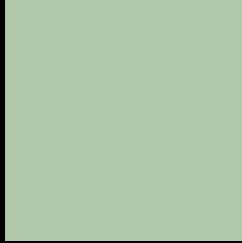
Large Text (above 18pt) WCAG AA × Fail

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, 19.839, 135.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

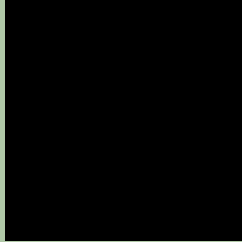
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

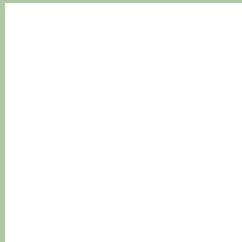
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 19.839, 135.852

Background



This preview shows how black text looks on a background with the CIELCh color 78, 19.839, 135.852.



This preview shows how white text looks on a background with the CIELCh color 78, 19.839, 135.852.

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](#).

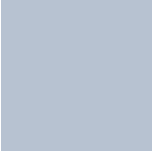
Dichromacy



Original Color
78, 19.839, 135.852

Protanopia
78, 16.043, 93.104

Deuteranopia
78, 15.652, 50.846



Tritanopia
78, 8.832, 265.002

Trichromacy



Original Color
78, 19.839, 135.852

Protanomaly
78, 16.505, 111.349

Deuteranomaly
78, 12.300, 84.850

Tritanomaly
78, 5.898, 188.561

Monochromacy



Original Color
78, 19.839, 135.852

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 7.276, 137.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 19.839, 135.852 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(176, 200, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 200, 167)  
}
```

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(176, 200, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 200, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 19.839, 135.852 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(176, 200, 167) }
```

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

```
.border{ border-color:rgb(176, 200, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 200, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 200, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 200, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 200,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 19.839, 135.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 200, 167) }
```

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

```
.background{ background-color: rgb(176,  
200, 167) }
```

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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