

Converting Colors

CIELCh(68, 19.781, 123.293)

Have a look what the booklet for
CIELCh(68, 19.781, 123.293)
contains.

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Color

CIELCh(68, 19.800, 123.411)

Conversions

Conversions Part 1

Format	Color
Hex	9EAB88
RGB	158, 171, 136
RGB Percent	62%, 67%, 53%
CMY	0.3819, 0.3310, 0.4682
CMYK	0.08, 0.00, 0.21, 0.33
HSL	82°, 17%, 60%
HSV	82°, 21%, 67%
XYZ	32.9281, 37.9720, 28.7440
YIQ	163.1230, 3.4870, -13.6410

Conversions

Conversions Part 2

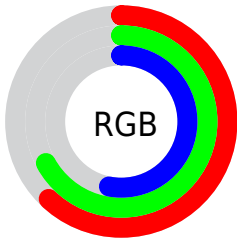
Format	Color
R_{YB}	136, 171, 149
Decimal	10398600
CIE _{Lab}	68.00, -10.90, 16.53
CIE _{LCh}	68, 19.800, 123.411
Yxy	37.9720, 0.3305, 0.3811
Android (android.graphics.Color)	4288588680 (0xFF9EAB88)
YUV	163.1230, -13.3716, -4.4929
Hunter-Lab	61.6215, -12.4541, 15.4786

Details

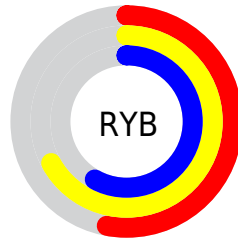
The CIELCh color **68, 19.800, 123.411** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 20.513, 305.596**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.806, 122.847**, and **48, 19.997, 123.936** is the 20% darker color. If you saturate the color by 10%, you get **67, 29.354, 122.886**, and if you desaturate by 10%, it is **69, 10.154, 123.939**.

Distribution



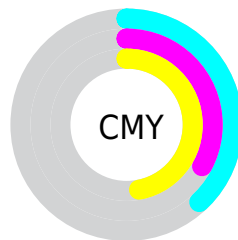
- Red (62%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (58%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (38%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 19.800, 123.411 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 68, 19.800, 123.411 by changing the saturation by 10% instead.


 68, 19.800,
123.411


 68, 19.800,
123.411


 100, 19.800,
123.411


 58, 19.800,
123.411


 88, 19.800,
123.411

 48, 19.800,
123.411

 98, 19.800,
123.411

 38, 19.800,
123.411

 28, 19.800,
123.411

 18, 19.800,
123.411

 8, 19.800, 123.411

 0, 19.800, 123.411

68, 19.800,
123.411

68, 19.800,
123.411

67, 29.354,
122.886

69, 10.154,
123.939

66, 38.705,
122.377

70, 0.483, 124.572

66, 47.703,
121.924

71, 9.161, 304.904

65, 56.120,
121.585

72, 18.740,
305.352

65, 63.641,
121.442

73, 28.229,
305.764

64, 69.864,
121.602

74, 37.608,
306.142


64, 74.397,
122.179

75, 46.841,
306.493

63, 77.318,

76, 47.261,
308.969

123.058

 76, 47.760,
311.433

Harmonies

Complementary

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



68, 19.800, 123.411



59, 20.513, 305.596

Rectangle

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



68, 19.800, 123.411



68, 19.800, 173.411



68, 19.800, 303.411



68, 19.800, 353.411

Sweetspot

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



68, 19.802, 123.414



88, 7.173, 124.168



63, 11.565, 57.978



47, 4.797, 124.136



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 19.802, 123.414



86, 29.848, 123.152



67, 22.641, 139.688



35, 5.407, 124.003



56, 69.515, 122.873



5, 10.041, 127.283

Inverse Universe

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



59, 20.513, 305.596



72, 31.203, 305.911



60, 22.783, 321.707



33, 5.498, 304.935



20, 85.201, 309.560



1, 9.815, 302.540

Previews

White Background



This preview shows how the CIELCh color 68, 19.800, 123.411 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 68, 19.800, 123.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

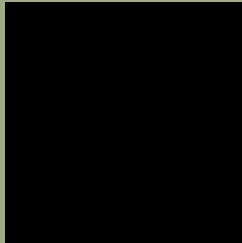
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 19.800, 123.411

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.800, 123.411.



This preview shows how white text looks on a background with the CIELCh color 68, 19.800, 123.411.

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


68, 19.800, 123.411

Protanopia

68, 18.093, 93.908

Deuteranopia

68, 17.633, 60.688



Tritanopia
68, 7.169, 287.990

Trichromacy



Original Color
68, 19.800, 123.411

Protanomaly
68, 18.044, 105.720

Deuteranomaly
68, 15.716, 84.121

Tritanomaly
68, 2.916, 150.438

Monochromacy



Original Color
68, 19.800, 123.411

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 7.416, 124.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.800, 123.411 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(158, 171, 136)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 136)  
}
```

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(158, 171, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.800, 123.411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

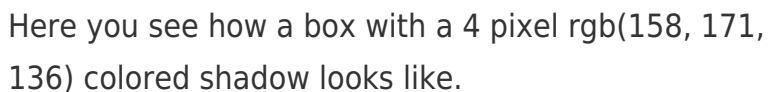
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 171, 136) }
```

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

```
.border{ border-color:rgb(158, 171, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 171, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 171, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 171, 136); box-shadow:4px 4px 4px 4px rgb(158, 171, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.800, 123.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 136) }
```

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

```
.background{ background-color: rgb(158,  
171, 136) }
```

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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