

Converting Colors

CIELCh(68, 21.096, 129.105)

Have a look what the booklet for
CIELCh(68, 21.096, 129.105)
contains.

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Color

CIELCh(68, 21.073, 129.110)

Conversions

Conversions Part 1

Format	Color
Hex	99AC88
RGB	153, 172, 136
RGB Percent	60%, 67%, 53%
CMY	0.4006, 0.3261, 0.4673
CMYK	0.11, 0.00, 0.21, 0.33
HSL	92°, 18%, 60%
HSV	92°, 21%, 67%
XYZ	32.2603, 37.9720, 28.8628
YIQ	162.2150, 0.2320, -15.2240

Conversions

Conversions Part 2

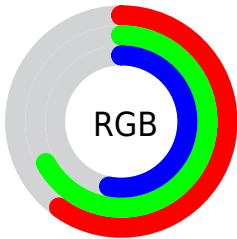
Format	Color
RYB	136, 172, 155
Decimal	10071176
CIELab	68.00, -13.29, 16.35
CIElCh	68, 21.073, 129.110
Yxy	37.9720, 0.3255, 0.3832
Android (android.graphics.Color)	4288261256 (0xFF99AC88)
YUV	162.2150, -12.9240, -8.0816
Hunter-Lab	61.6215, -14.3887, 15.3642

Details

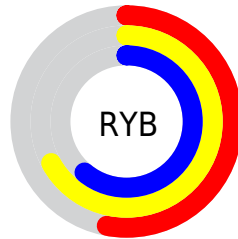
The CIELCh color **68, 21.073, 129.110** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 21.639, 310.974**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.978, 128.315**, and **48, 21.241, 128.856** is the 20% darker color. If you saturate the color by 10%, you get **67, 31.074, 128.633**, and if you desaturate by 10%, it is **69, 11.004, 129.576**.

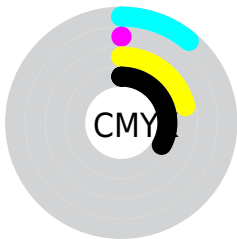
Distribution



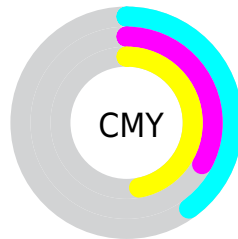
- Red (60%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (40%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.073, 129.110 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, 21.073, 129.110 by changing the saturation by 10% instead.


 68, 21.073,
129.110


 68, 21.073,
129.110


 100, 21.073,
129.110


 58, 21.073,
129.110


 88, 21.073,
129.110

 48, 21.073,
129.110

 98, 21.073,
129.110

 38, 21.073,
129.110

 28, 21.073,
129.110

 18, 21.073,
129.110

 8, 21.073, 129.110

 0, 21.073, 129.110

68, 21.073,
129.110

68, 21.073,
129.110

67, 31.074,
128.633

69, 11.004,
129.576

66, 40.885,
128.160

70, 0.942, 130.117

65, 50.343,
127.729

71, 9.052, 310.380

65, 59.211,
127.400

73, 18.938,
310.745

64, 67.161,
127.260

74, 28.686,
311.070

63, 73.782,
127.428

75, 38.277,
311.359


63, 78.680,
128.023

77, 47.134,
311.835

63, 81.806,

78, 48.015,
315.365

128.849

 79, 49.058,
318.815

Harmonies

Complementary

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



68, 21.073, 129.110



59, 21.639, 310.974

Rectangle

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



68, 21.073, 129.110



68, 21.073, 179.110



68, 21.073, 309.110



68, 21.073, 359.110

Sweetspot

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



68, 21.075, 129.112



88, 7.480, 129.797



65, 12.539, 74.601



47, 4.957, 129.768



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, 21.075, 129.112



86, 31.234, 128.897



67, 24.019, 143.554



36, 5.730, 129.651



55, 74.053, 128.674



6, 12.375, 132.959

Inverse Universe

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



59, 21.639, 310.974



73, 32.261, 311.197



61, 24.036, 326.016



34, 5.803, 310.424



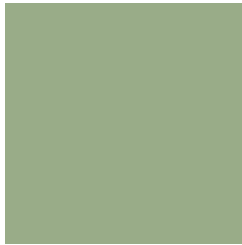
23, 83.541, 312.731



1, 11.888, 306.765

Previews

White Background



This preview shows how the CIELCh color 68, 21.073, 129.110 looks on a white background.

Color Contrast Check

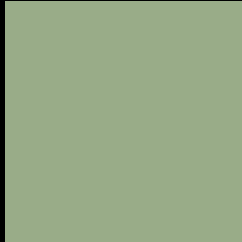
Large Text (above 18pt) WCAG AA × Fail

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, 21.073, 129.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

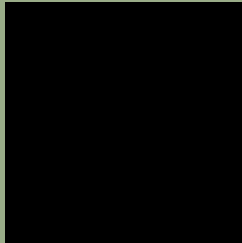
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 21.073, 129.110

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.073, 129.110.



This preview shows how white text looks on a background with the CIELCh color 68, 21.073, 129.110.

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](#).

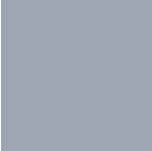
Dichromacy



Original Color
68, 21.073, 129.110

Protanopia
68, 18.093, 93.908

Deuteranopia
68, 17.633, 60.688



Tritanopia
68, 7.548, 271.271

Trichromacy



Original Color
68, 21.073, 129.110

Protanomaly
68, 18.033, 107.011

Deuteranomaly
68, 15.734, 88.954

Tritanomaly
68, 5.003, 165.699

Monochromacy



Original Color
68, 21.073, 129.110

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 8.182, 128.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.073, 129.110 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(153, 172, 136)` looks like.

```
.text, #text, p{  
    color:rgb(153, 172, 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(153, 172, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 172, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.073, 129.110 is called "border". The border property can be set on classes, ids or directly on the HTML element.

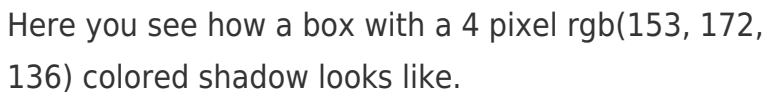
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 172, 136) }
```

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

```
.border{ border-color:rgb(153, 172, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 172, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 172, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 172, 136); box-shadow:4px 4px 4px 4px rgb(153, 172, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.073, 129.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 172, 136) }
```

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

```
.background{ background-color: rgb(153,  
172, 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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