

Converting Colors

CIELCh(71, 10.199, 122.464)

Have a look what the booklet for
CIELCh(71, 10.199, 122.464)
contains.

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Color

CIELCh(71, 10.068, 122.509)

Conversions

Conversions Part 1

Format	Color
Hex	AAB09E
RGB	170, 176, 158
RGB Percent	67%, 69%, 62%
CMY	0.3324, 0.3089, 0.3795
CMYK	0.03, 0.00, 0.10, 0.31
HSL	80°, 10%, 66%
HSV	80°, 10%, 69%
XYZ	38.3872, 42.1875, 38.5680
YIQ	172.1540, 2.2020, -6.8700

Conversions

Conversions Part 2

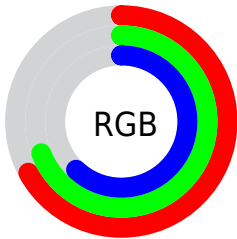
Format	Color
RYB	158, 176, 164
Decimal	11186334
CIELab	71.00, -5.41, 8.49
CIELCh	71, 10.068, 122.509
Yxy	42.1875, 0.3222, 0.3541
Android (android.graphics.Color)	4289376414 (0xFFAAB09E)
YUV	172.1540, -6.9779, -1.8891
Hunter-Lab	64.9519, -8.1707, 10.2603

Details

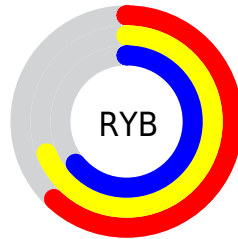
The CIELCh color **71, 10.068, 122.509** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 10.263, 303.616**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 10.153, 123.934**, and **51, 10.171, 123.088** is the 20% darker color. If you saturate the color by 10%, you get **70, 19.903, 121.961**, and if you desaturate by 10%, it is **72, 0.206, 123.308**.

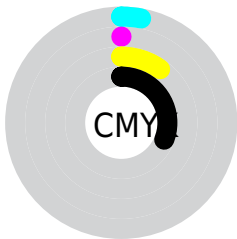
Distribution



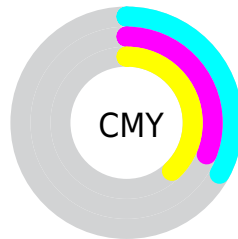
- Red (67%)
- Green (69%)
- Blue (62%)



- Red (62%)
- Yellow (69%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)





- Cyan (33%)
- Magenta (31%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 10.068, 122.509 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 71, 10.068, 122.509 by changing the saturation by 10% instead.


 71, 10.068,
122.509


 71, 10.068,
122.509


 100, 10.068,
122.509


 61, 10.068,
122.509


 91, 10.068,
122.509

 51, 10.068,
122.509

 41, 10.068,
122.509

 31, 10.068,
122.509

 21, 10.068,
122.509

 11, 10.068,
122.509

 1, 10.068, 122.509

0, 10.068, 122.509

71, 10.068,
122.509

71, 10.068,
122.509

70, 19.903,
121.961

72, 0.206, 123.308

69, 29.632,
121.406

73, 9.636, 303.542

69, 39.152,
120.871

74, 19.422,
304.020

68, 48.306,
120.395

75, 29.123,
304.462

67, 56.862,
120.031

76, 38.721,
304.870

67, 64.494,
119.860

77, 43.574,
306.325

77, 43.983,

■ 66, 70.787,
119.988

308.808

■ 66, 75.337,
120.524

■ 78, 44.467,
311.273

■ 66, 78.255,
121.404

■ 79, 45.025,
313.710

Harmonies

Complementary

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



71, 10.068, 122.509



66, 10.263, 303.616

Rectangle

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



71, 10.068, 122.509



71, 10.068, 172.509



71, 10.068, 302.509



71, 10.068, 352.509

Sweetspot

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



71, 10.070, 122.514



91, 3.657, 122.911



68, 5.705, 54.828



48, 2.771, 122.865



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



71, 10.070, 122.514



90, 14.658, 122.405



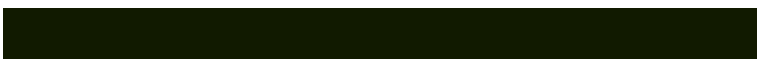
70, 11.416, 139.332



37, 5.639, 122.563



58, 70.430, 121.234



8, 13.964, 126.977

Inverse Universe

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



66, 10.263, 303.616



83, 14.989, 303.737



67, 11.473, 320.239



35, 5.739, 303.563



20, 88.005, 308.930



1, 13.555, 300.193

Previews

White Background



This preview shows how the CIE LCh color 71, 10.068, 122.509 looks on a white background.

Color Contrast Check

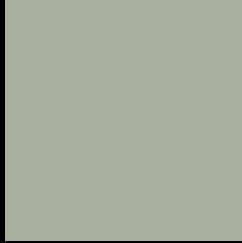
Large Text (above 18pt) WCAG AA × Fail

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 71, 10.068, 122.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

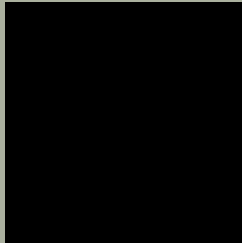
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

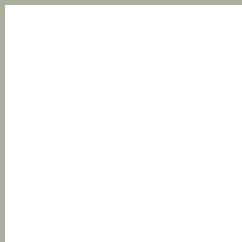
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 10.068, 122.509

Background



This preview shows how black text looks on a background with the CIELCh color 71, 10.068, 122.509.



This preview shows how white text looks on a background with the CIELCh color 71, 10.068, 122.509.

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


71, 10.068, 122.509

Protanopia

71, 9.237, 89.465

Deuteranopia

71, 11.522, 42.280



Tritanopia
71, 7.702, 296.364

Trichromacy



Original Color
71, 10.068, 122.509

Protanomaly
71, 9.306, 102.023

Deuteranomaly
71, 8.788, 67.506

Tritanomaly
71, 1.155, 271.520

Monochromacy



Original Color
71, 10.068, 122.509

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 3.986, 126.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 10.068, 122.509 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(170, 176, 158)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 158)  
}
```

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(170, 176, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 10.068, 122.509 is called "border". The border property can be set on classes, ids or directly on the HTML element.

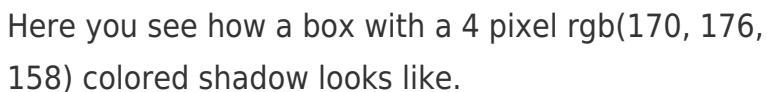
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 176, 158) }
```

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

```
.border{ border-color:rgb(170, 176, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 176, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 176, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 176, 158); box-shadow:4px 4px 4px 4px rgb(170, 176, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 10.068, 122.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 158) }
```

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

```
.background{ background-color: rgb(170,  
176, 158) }
```

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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