

Converting Colors

CIELCh(68, 50.975, 106.283)

Have a look what the booklet for
CIELCh(68, 50.975, 106.283)
contains.

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Color

CIELCh(68, 51.115, 106.383)

Conversions

Conversions Part 1

Format	Color
Hex	A8AB49
RGB	168, 171, 73
RGB Percent	66%, 67%, 29%
CMY	0.3409, 0.3291, 0.7134
CMYK	0.02, 0.00, 0.57, 0.33
HSL	62°, 40%, 48%
HSV	62°, 57%, 67%
XYZ	31.9493, 37.9720, 11.9620
YIQ	158.9310, 29.6700, -31.1140

Conversions

Conversions Part 2

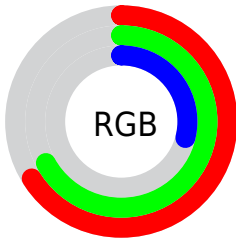
Format	Color
RYB	73, 171, 76
Decimal	11053897
CIELab	68.00, -14.42, 49.04
CIElCh	68, 51.115, 106.383
Yxy	37.9720, 0.3902, 0.4637
Android (android.graphics.Color)	4289243977 (0xFFA8AB49)
YUV	158.9310, -42.3640, 7.9535
Hunter-Lab	61.6215, -15.2894, 31.6256

Details

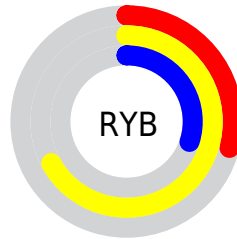
The CIELCh color **68, 51.115, 106.383** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **36, 60.192, 299.505**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 51.065, 106.355**, and **48, 51.070, 106.603** is the 20% darker color. If you saturate the color by 10%, you get **68, 58.401, 105.710**, and if you desaturate by 10%, it is **68, 42.985, 107.169**.

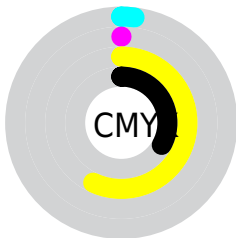
Distribution



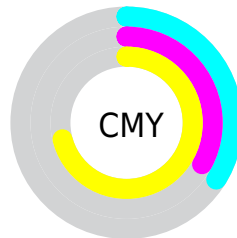
- Red (66%)
- Green (67%)
- Blue (29%)



- Red (29%)
- Yellow (67%)
- Blue (30%)



- Cyan (2%)
- Magenta (0%)
- Yellow (57%)
- Black (33%)





- Cyan (34%)
- Magenta (33%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 51.115, 106.383 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, 51.115, 106.383 by changing the saturation by 10% instead.


 68, 51.115,
106.383


 68, 51.115,
106.383


 100, 51.115,
106.383


 58, 51.115,
106.383


 88, 51.115,
106.383


 48, 51.115,
106.383


 98, 51.115,
106.383

 38, 51.115,
106.383

 28, 51.115,
106.383

 18, 51.115,
106.383

 8, 51.115, 106.383

 0, 51.115, 106.383

68, 51.115,
106.383

68, 51.115,
106.383

68, 58.401,
105.710

68, 42.985,
107.169

68, 64.440,
105.187

69, 34.312,
108.022

68, 68.807,
104.864

69, 25.307,
108.914

67, 71.340,
104.754

69, 16.107,
109.822

67, 71.916,
104.737

70, 6.802, 110.725

70, 2.550, 291.643

71, 11.910,
292.497

71, 21.250,
293.333

■ 72, 30.552,
294.133

Harmonies

Complementary

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



68, 51.115, 106.383



36, 60.192, 299.505

Rectangle

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



68, 51.115, 106.383



68, 51.115, 156.383



68, 51.115, 286.383



68, 51.115, 336.383

Sweetspot

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



68, 51.116, 106.385



87, 19.571, 109.820



44, 44.458, 27.538



47, 13.186, 109.644



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, 51.116, 106.385



86, 73.226, 105.538



65, 55.676, 127.117



37, 5.344, 110.543



60, 65.427, 104.717



7, 11.355, 111.949

Inverse Universe

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



36, 60.192, 299.505



39, 91.056, 302.114



41, 60.363, 312.424



33, 5.460, 292.282



17, 90.101, 306.403



1, 11.351, 291.161

Previews

White Background



This preview shows how the CIELCh color 68, 51.115, 106.383 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 68, 51.115, 106.383 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, 51.115, 106.383

Background



This preview shows how black text looks on a background with the CIELCh color 68, 51.115, 106.383.



This preview shows how white text looks on a background with the CIELCh color 68, 51.115, 106.383.

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, 51.115, 106.383

Protanopia

68, 50.587, 95.773

Deuteranopia

68, 48.896, 79.786



Tritanopia
68, 9.245, 334.656

Trichromacy



Original Color
68, 51.115, 106.383

Protanomaly
68, 50.486, 99.876

Deuteranomaly
68, 48.209, 89.620

Tritanomaly
68, 15.767, 95.166

Monochromacy



Original Color
68, 51.115, 106.383

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 19.203, 109.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 51.115, 106.383 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(168, 171, 73)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 73)  
}
```

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(168, 171, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 51.115, 106.383 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(168, 171, 73) }
```

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

```
.border{ border-color:rgb(168, 171, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 73);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 51.115, 106.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 73) }
```

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

```
.background{ background-color: rgb(168,  
171, 73) }
```

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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