

Converting Colors

CIELCh(68, 48.469, 108.336)

Have a look what the booklet for
CIELCh(68, 48.469, 108.336)
contains.

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Color

CIELCh(68, 48.869, 108.741)

Conversions

Conversions Part 1

Format	Color
Hex	A5AC4F
RGB	165, 172, 79
RGB Percent	65%, 67%, 31%
CMY	0.3537, 0.3262, 0.6909
CMYK	0.04, 0.00, 0.54, 0.33
HSL	65°, 37%, 49%
HSV	65°, 54%, 67%
XYZ	31.5966, 37.9720, 13.0267
YIQ	159.3050, 25.6810, -30.4070

Conversions

Conversions Part 2

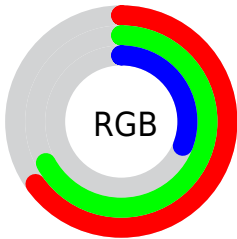
Format	Color
RYB	79, 172, 86
Decimal	10857551
CIELab	68.00, -15.70, 46.28
CIELCh	68, 48.869, 108.741
Yxy	37.9720, 0.3825, 0.4597
Android (android.graphics.Color)	4289047631 (0xFFA5AC4F)
YUV	159.3050, -39.5904, 4.9945
Hunter-Lab	61.6215, -16.3110, 30.6012

Details

The CIELCh color **68, 48.869, 108.741** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 56.709, 299.966**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 48.697, 108.502**, and **48, 49.026, 108.690** is the 20% darker color. If you saturate the color by 10%, you get **68, 56.507, 108.109**, and if you desaturate by 10%, it is **68, 40.495, 109.483**.

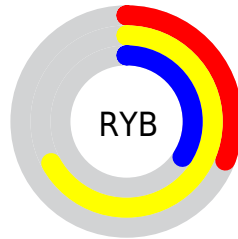
Distribution



Red (65%)

Green (67%)

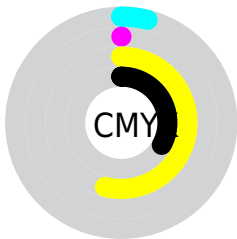
Blue (31%)



Red (31%)

Yellow (67%)

Blue (34%)

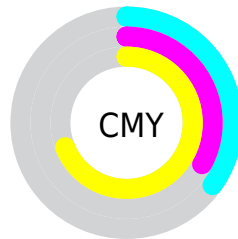


Cyan (4%)

Magenta (0%)

Yellow (54%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 48.869, 108.741 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, 48.869, 108.741 by changing the saturation by 10% instead.


 68, 48.869,
108.741


 68, 48.869,
108.741


 100, 48.869,
108.741


 58, 48.869,
108.741


 88, 48.869,
108.741

 48, 48.869,
108.741

 98, 48.869,
108.741

 38, 48.869,
108.741

 28, 48.869,
108.741

 18, 48.869,
108.741

 8, 48.869, 108.741

 0, 48.869, 108.741

■ 68, 48.869,
108.741

■ 68, 48.869,
108.741

■ 68, 56.507,
108.109

■ 68, 40.495,
109.483

■ 68, 63.036,
107.633

■ 69, 31.653,
110.285

■ 67, 68.023,
107.373

■ 69, 22.528,
111.120

■ 67, 71.124,
107.378

■ 70, 13.240,
111.963

■ 67, 72.384,
107.458

■ 70, 3.868, 112.795

■ 71, 5.537, 293.627

■ 71, 14.938,
294.415

■ 72, 24.310,
295.172

■ 73, 33.635,
295.893

Harmonies

Complementary

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



68, 48.869, 108.741



39, 56.709, 299.966

Rectangle

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



68, 48.869, 108.741



68, 48.869, 158.741



68, 48.869, 288.741



68, 48.869, 338.741

Sweetspot

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



68, 48.870, 108.743



88, 18.627, 111.781



47, 40.279, 30.015



47, 12.551, 111.614



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, 48.870, 108.743



86, 70.731, 107.997



65, 53.821, 128.922



37, 5.352, 112.367



59, 65.642, 107.410



7, 11.388, 114.445

Inverse Universe

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



39, 56.709, 299.966



43, 86.096, 302.114



43, 57.453, 313.806



34, 5.468, 293.970



17, 89.853, 306.573



1, 11.364, 292.597

Previews

White Background



This preview shows how the CIELCh color 68, 48.869, 108.741 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, 48.869, 108.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

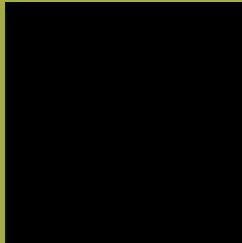
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 48.869, 108.741

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.869, 108.741.



This preview shows how white text looks on a background with the CIELCh color 68, 48.869, 108.741.

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, 48.869, 108.741

Protanopia
68, 47.822, 95.581

Deuteranopia
68, 45.944, 79.124



Tritanopia
68, 8.258, 326.970

Trichromacy



Original Color
68, 48.869, 108.741

Protanomaly
68, 47.660, 100.429

Deuteranomaly
68, 45.591, 90.207

Tritanomaly
68, 14.913, 100.865

Monochromacy



Original Color
68, 48.869, 108.741

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 18.683, 111.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.869, 108.741 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(165, 172, 79)` looks like.

```
.text, #text, p{  
    color:rgb(165, 172, 79)  
}
```

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(165, 172, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 172, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.869, 108.741 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(165, 172, 79) }
```

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

```
.border{ border-color:rgb(165, 172, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 172, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 172, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 172, 79);  
box-shadow:4px 4px 4px 4px rgb(165, 172,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.869, 108.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 172, 79) }
```

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

```
.background{ background-color: rgb(165,  
172, 79) }
```

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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