

Converting Colors

CIELCh(69, 48.628, 107.532)

Have a look what the booklet for
CIELCh(69, 48.628, 107.532)
contains.

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Color

CIELCh(69, 48.771, 107.767)

Conversions

Conversions Part 1

Format	Color
Hex	A9AE51
RGB	169, 174, 81
RGB Percent	66%, 68%, 32%
CMY	0.3369, 0.3173, 0.6820
CMYK	0.03, 0.00, 0.53, 0.32
HSL	63°, 36%, 50%
HSV	63°, 53%, 68%
XYZ	33.0212, 39.3444, 13.6540
YIQ	161.9030, 26.8730, -29.9830

Conversions

Conversions Part 2

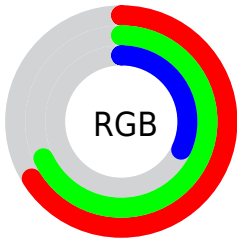
Format	Color
RYB	81, 174, 86
Decimal	11120209
CIELab	69.00, -14.88, 46.44
CIELCh	69, 48.771, 107.767
Yxy	39.3444, 0.3839, 0.4574
Android (android.graphics.Color)	4289310289 (0xFFA9AE51)
YUV	161.9030, -39.8852, 6.2241
Hunter-Lab	62.7251, -15.7988, 31.0013

Details

The CIELCh color $69, 48.771, 107.767$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $39, 56.531, 299.324$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 48.609, 107.579$, and $49, 49.032, 107.633$ is the 20% darker color. If you saturate the color by 10%, you get $69, 56.537, 107.088$, and if you desaturate by 10%, it is $69, 40.279, 108.548$.

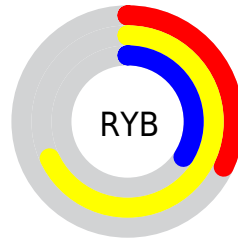
Distribution



Red (66%)

Green (68%)

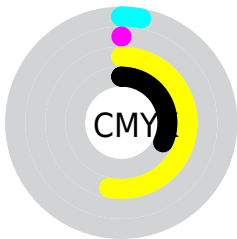
Blue (32%)



Red (32%)

Yellow (68%)

Blue (34%)

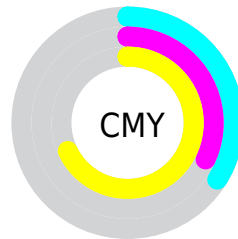


Cyan (3%)

Magenta (0%)

Yellow (53%)

Black (32%)



Cyan (34%)

Magenta (32%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 48.771, 107.767 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 69, 48.771, 107.767 by changing the saturation by 10% instead.

 69, 48.771,
107.767

 69, 48.771,
107.767

 100, 48.771,
107.767


 59, 48.771,
107.767


 89, 48.771,
107.767

 49, 48.771,
107.767

 99, 48.771,
107.767

 39, 48.771,
107.767

 29, 48.771,
107.767

 19, 48.771,
107.767

 9, 48.771, 107.767

 0, 48.771, 107.767

69, 48.771,
107.767

69, 48.771,
107.767

69, 56.537,
107.088

69, 40.279,
108.548

69, 63.203,
106.553

70, 31.328,
109.386

68, 68.332,
106.217

70, 22.099,
110.253

68, 71.563,
106.123

70, 12.712,
111.129

68, 72.952,
106.154

71, 3.243, 111.989

71, 6.256, 292.857

72, 15.750,
293.676

73, 25.215,
294.464

■ 73, 34.633,
295.215

Harmonies

Complementary

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



69, 48.771, 107.767



39, 56.531, 299.324

Rectangle

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



69, 48.771, 107.767



69, 48.771, 157.767



69, 48.771, 287.767



69, 48.771, 337.767

Sweetspot

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



69, 48.772, 107.769



89, 18.781, 110.879



47, 40.607, 28.806



48, 12.774, 110.703



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 48.772, 107.769



87, 70.420, 106.985



66, 53.496, 128.389



37, 5.347, 111.488



60, 65.518, 106.116



7, 11.369, 113.254

Inverse Universe

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



39, 56.531, 299.324



44, 85.545, 301.528



44, 57.261, 313.269



34, 5.463, 293.155



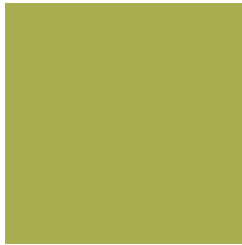
17, 89.973, 306.491



1, 11.357, 291.904

Previews

White Background



This preview shows how the CIELCh color 69, 48.771, 107.767 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 69, 48.771, 107.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

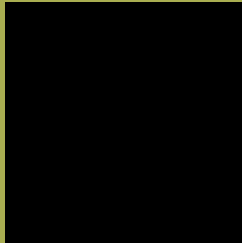
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 48.771, 107.767

Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.771, 107.767.



This preview shows how white text looks on a background with the CIELCh color 69, 48.771, 107.767.

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
69, 48.771, 107.767

Protanopia
69, 47.765, 95.649

Deuteranopia
69, 46.076, 78.721



Tritanopia
69, 9.128, 328.765

Trichromacy



Original Color
69, 48.771, 107.767

Protanomaly
69, 47.653, 99.957

Deuteranomaly
69, 45.180, 89.641

Tritanomaly
69, 14.474, 97.497

Monochromacy



Original Color
69, 48.771, 107.767

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 18.058, 109.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 48.771, 107.767 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(169, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(169, 174, 81)  
}
```

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(169, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 174, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 48.771, 107.767 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(169, 174, 81) }
```

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

```
.border{ border-color:rgb(169, 174, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 174, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(169, 174,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 48.771, 107.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 174, 81) }
```

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

```
.background{ background-color: rgb(169,  
174, 81) }
```

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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