

Converting Colors

CIELCh(69, 31.750, 109.378)

Have a look what the booklet for
CIELCh(69, 31.750, 109.378)
contains.

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Color

CIELCh(69, 31.287, 109.272)

Conversions

Conversions Part 1

Format	Color
Hex	A9AC72
RGB	169, 172, 114
RGB Percent	66%, 67%, 45%
CMY	0.3358, 0.3240, 0.5516
CMYK	0.02, 0.00, 0.34, 0.32
HSL	63°, 26%, 56%
HSV	63°, 34%, 68%
XYZ	34.3220, 39.3444, 21.8086
YIQ	164.4910, 16.8300, -18.6740

Conversions

Conversions Part 2

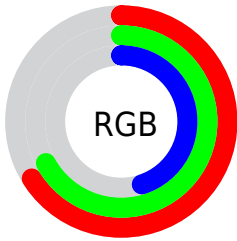
Format	Color
RYB	114, 172, 117
Decimal	11119730
CIELab	69.00, -10.33, 29.53
CIELCh	69, 31.287, 109.272
Yxy	39.3444, 0.3595, 0.4121
Android (android.graphics.Color)	4289309810 (0xFFA9AC72)
YUV	164.4910, -24.8921, 3.9544
Hunter-Lab	62.7251, -12.0972, 23.2933

Details

The CIELCh color **69, 31.287, 109.272** is a light color, and the websafe version is hex **999966**. A complement of this color would be **51, 33.956, 296.016**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 31.370, 108.999**, and **49, 31.349, 109.341** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.160, 108.436**, and if you desaturate by 10%, it is **69, 22.139, 110.145**.

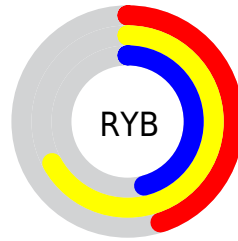
Distribution



Red (66%)

Green (67%)

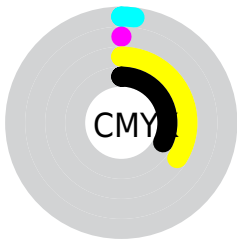
Blue (45%)



Red (45%)

Yellow (67%)

Blue (46%)

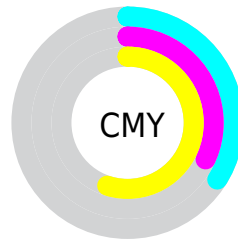


Cyan (2%)

Magenta (0%)

Yellow (34%)

Black (32%)



Cyan (34%)


Magenta (32%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 31.287, 109.272 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, 31.287, 109.272 by changing the saturation by 10% instead.


 69, 31.287,
109.272


 69, 31.287,
109.272


 100, 31.287,
109.272


 59, 31.287,
109.272


 89, 31.287,
109.272

 49, 31.287,
109.272

 99, 31.287,
109.272

 39, 31.287,
109.272

 29, 31.287,
109.272

 19, 31.287,
109.272

 9, 31.287, 109.272

 0, 31.287, 109.272

69, 31.287,
109.272

69, 31.287,
109.272

69, 40.160,
108.436

69, 22.139,
110.145

68, 48.572,
107.656

70, 12.831,
111.023

68, 56.256,
106.974

70, 3.440, 111.886

68, 62.843,
106.438

71, 5.982, 292.757

68, 67.898,
106.100

71, 15.400,
293.579

68, 71.068,
106.003

72, 24.789,
294.370

68, 72.407,
106.025

73, 34.132,
295.125

74, 43.415,
295.841

■ 74, 44.899,
296.241

Harmonies

Complementary

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



69, 31.287, 109.272



51, 33.956, 296.016

Rectangle

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



69, 31.287, 109.272



69, 31.287, 159.272



69, 31.287, 289.272



69, 31.287, 339.272

Sweetspot

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



69, 31.288, 109.275



89, 11.647, 111.327



55, 23.689, 26.023



47, 7.934, 111.209



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 31.288, 109.275



87, 45.759, 108.679



67, 34.049, 129.271



37, 5.347, 111.402



60, 65.508, 105.991



7, 11.368, 113.138

Inverse Universe

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



51, 33.956, 296.016



60, 50.741, 297.085



53, 35.482, 312.335



34, 5.463, 293.076



17, 89.984, 306.483



1, 11.356, 291.837

Previews

White Background



This preview shows how the CIELCh color 69, 31.287, 109.272 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 69, 31.287, 109.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

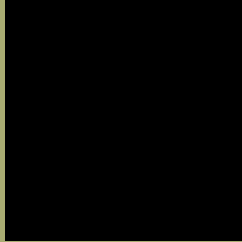
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 31.287, 109.272

Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.287, 109.272.



This preview shows how white text looks on a background with the CIELCh color 69, 31.287, 109.272.

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, 31.287, 109.272

Protanopia
69, 30.416, 95.794

Deuteranopia
69, 29.865, 72.612



Tritanopia
69, 8.014, 324.779

Trichromacy



Original Color
69, 31.287, 109.272

Protanomaly
69, 30.938, 101.505

Deuteranomaly
69, 28.685, 86.504

Tritanomaly
69, 7.998, 92.290

Monochromacy



Original Color
69, 31.287, 109.272

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 11.498, 110.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 31.287, 109.272 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, 172, 114)` looks like.

```
.text, #text, p{  
    color:rgb(169, 172, 114)  
}
```

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, 172, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 172, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 31.287, 109.272 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, 172, 114) }
```

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

```
.border{ border-color:rgb(169, 172, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 172, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 172, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 172, 114);  
box-shadow:4px 4px 4px 4px rgb(169, 172,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 31.287, 109.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 172, 114) }
```

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

```
.background{ background-color: rgb(169,  
172, 114) }
```

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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