

Converting Colors

CIELCh(68, 71.904, 109.854)

Have a look what the booklet for
CIELCh(68, 71.904, 109.854)
contains.

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Color

CIELCh(68, 71.678, 109.806)

Conversions

Conversions Part 1

Format	Color
Hex	9CAF11
RGB	156, 175, 17
RGB Percent	61%, 69%, 7%
CMY	0.3865, 0.3121, 0.9339
CMYK	0.11, 0.00, 0.90, 0.31
HSL	67°, 82%, 38%
HSV	67°, 90%, 69%
XYZ	29.3047, 37.9720, 6.3084
YIQ	151.3070, 39.3940, -53.1660

Conversions

Conversions Part 2

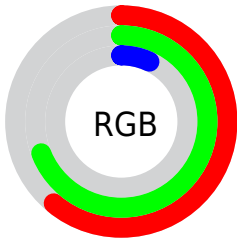
Format	Color
RYB	17, 175, 36
Decimal	10268433
CIELab	68.00, -24.29, 67.44
CIELCh	68, 71.678, 109.806
Yxy	37.9720, 0.3982, 0.5160
Android (android.graphics.Color)	4288458513 (0xFF9CAF11)
YUV	151.3070, -66.2134, 4.1158
Hunter-Lab	61.6215, -22.9501, 37.0653

Details

The CIELCh color **68, 71.678, 109.806** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 95.075, 306.130**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.354, 109.684**, and **48, 57.717, 113.630** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.930, 110.104**, and if you desaturate by 10%, it is **68, 67.742, 109.755**.

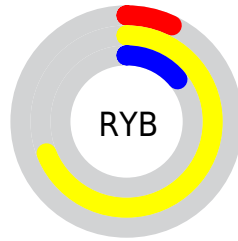
Distribution



Red (61%)

Green (69%)

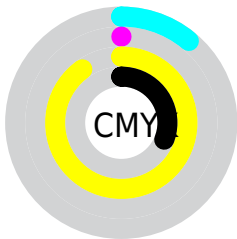
Blue (7%)



Red (7%)

Yellow (69%)

Blue (14%)

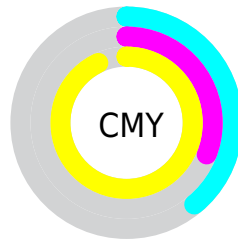


Cyan (11%)

Magenta (0%)

Yellow (90%)

Black (31%)



Cyan (39%)

Magenta (31%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 71.678, 109.806 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, 71.678, 109.806 by changing the saturation by 10% instead.

 68, 71.678,
109.806

 68, 71.678,
109.806


 100, 71.678,
109.806


 58, 71.678,
109.806


 88, 71.678,
109.806

 48, 71.678,
109.806

 98, 71.678,
109.806

 38, 71.678,
109.806

 28, 71.678,
109.806

 18, 71.678,
109.806

 8, 71.678, 109.806

 0, 71.678, 109.806

■ 68, 71.678,
109.806

■ 68, 71.678,
109.806

■ 68, 73.930,
110.104

■ 68, 67.742,
109.755

■ 68, 61.998,
109.990

■ 69, 54.854,
110.446

■ 69, 46.737,
111.054

■ 69, 37.986,
111.757

■ 70, 28.840,
112.514

■ 70, 19.458,
113.295

■ 71, 9.945, 114.077

Harmonies

Complementary

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



68, 71.678, 109.806



23, 95.075, 306.130

Rectangle

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



68, 71.678, 109.806



68, 71.678, 159.806



68, 71.678, 289.806



68, 71.678, 339.806

Sweetspot

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



68, 71.678, 109.808



88, 31.648, 112.742



39, 70.912, 39.948



47, 21.450, 112.483



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 71.678, 109.808



86, 89.651, 110.224



64, 81.851, 130.578



37, 5.366, 114.162



59, 66.012, 110.019



7, 11.439, 116.800

Inverse Universe

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



23, 95.075, 306.130



29, 121.808, 306.654



32, 88.252, 315.444



34, 5.480, 295.639



17, 89.549, 306.789



1, 11.383, 294.015

Previews

White Background



This preview shows how the CIELCh color 68, 71.678, 109.806 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 68, 71.678, 109.806 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, 71.678, 109.806

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.678, 109.806.



This preview shows how white text looks on a background with the CIELCh color 68, 71.678, 109.806.

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, 71.519, 109.835

Protanopia
68, 69.474, 95.043

Deuteranopia
68, 66.243, 82.279



Tritanopia
68, 7.541, 308.037

Trichromacy



Original Color
68, 71.519, 109.835

Protanomaly
68, 69.501, 100.400

Deuteranomaly
68, 66.405, 92.957

Tritanomaly
67, 27.205, 110.851

Monochromacy



Original Color
68, 71.519, 109.835

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 31.737, 112.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.678, 109.806 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(156, 175, 17)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 17)  
}
```

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(156, 175, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.678, 109.806 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(156, 175, 17) }
```

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

```
.border{ border-color:rgb(156, 175, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 175, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 175, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 175, 17);  
box-shadow:4px 4px 4px 4px rgb(156, 175,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.678, 109.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 17) }
```

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

```
.background{ background-color: rgb(156,  
175, 17) }
```

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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