

Converting Colors

CIELCh(70, 68.721, 107.247)

Have a look what the booklet for
CIELCh(70, 68.721, 107.247)
contains.

CIELCh(70, 68.799, 107.081)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 68.799, 107.081)

Conversions

Conversions Part 1

Format	Color
Hex	A9B322
RGB	169, 179, 34
RGB Percent	66%, 70%, 13%
CMY	0.3376, 0.2983, 0.8670
CMYK	0.06, 0.00, 0.81, 0.30
HSL	64°, 68%, 42%
HSV	64°, 81%, 70%
XYZ	32.7359, 40.7494, 7.6456
YIQ	159.4800, 40.5850, -47.2150

Conversions

Conversions Part 2

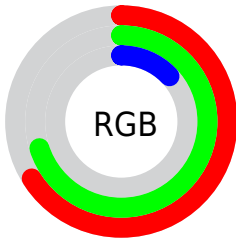
Format	Color
RYB	34, 179, 44
Decimal	11121442
CIELab	70.00, -20.21, 65.76
CIELCh	70, 68.799, 107.081
Yxy	40.7494, 0.4035, 0.5023
Android (android.graphics.Color)	4289311522 (0xFFA9B322)
YUV	159.4800, -61.8616, 8.3490
Hunter-Lab	63.8353, -20.1735, 37.5834

Details

The CIELCh color **70, 68.799, 107.081** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **27, 89.256, 304.586**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 69.097, 107.327**, and **50, 57.887, 108.955** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.566, 106.988**, and if you desaturate by 10%, it is **70, 63.154, 107.428**.

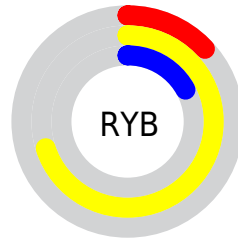
Distribution



Red (66%)

Green (70%)

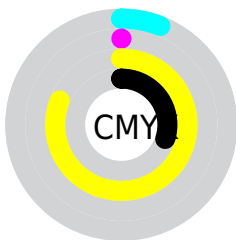
Blue (13%)



Red (13%)

Yellow (70%)

Blue (17%)

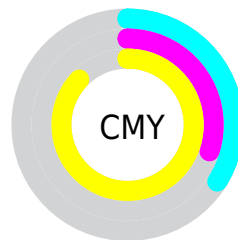


Cyan (6%)

Magenta (0%)

Yellow (81%)

Black (30%)



Cyan (34%)


Magenta (30%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 68.799, 107.081 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 70, 68.799, 107.081 by changing the saturation by 10% instead.


 70, 68.799,
107.081


 70, 68.799,
107.081


 100, 68.799,
107.081


 60, 68.799,
107.081


 90, 68.799,
107.081

 50, 68.799,
107.081

 40, 68.799,
107.081

 30, 68.799,
107.081

 20, 68.799,
107.081

 10, 68.799,
107.081

 0, 68.799, 107.081

■ 70, 68.799,
107.081

■ 70, 68.799,
107.081

■ 70, 72.566,
106.988

■ 70, 63.154,
107.428

■ 70, 74.547,
107.087

■ 70, 56.037,
107.970

■ 71, 47.891,
108.653

■ 71, 39.072,
109.426

■ 71, 29.833,
110.253

■ 72, 20.343,
111.104

■ 72, 10.713,
111.958

■ 73, 1.013, 112.771

Harmonies

Complementary

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



70, 68.799, 107.081



27, 89.256, 304.586

Rectangle

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



70, 68.799, 107.081



70, 68.799, 157.081



70, 68.799, 287.081



70, 68.799, 337.081

Sweetspot

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



70, 68.799, 107.083



91, 28.604, 110.817



40, 66.010, 36.201



48, 19.769, 110.517



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 68.799, 107.083



88, 90.004, 107.095



66, 77.117, 128.673



38, 5.480, 112.105



60, 66.415, 107.036



8, 13.355, 114.223

Inverse Universe

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



27, 89.256, 304.586



30, 122.869, 306.284



34, 84.647, 314.332



35, 5.600, 293.733



17, 91.010, 306.543



1, 13.332, 292.275

Previews

White Background



This preview shows how the CIELCh color 70, 68.799, 107.081 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 70, 68.799, 107.081 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 70, 68.799, 107.081

Background



This preview shows how black text looks on a background with the CIELCh color 70, 68.799, 107.081.



This preview shows how white text looks on a background with the CIELCh color 70, 68.799, 107.081.

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


70, 68.799, 107.081

Protanopia

70, 67.131, 95.216

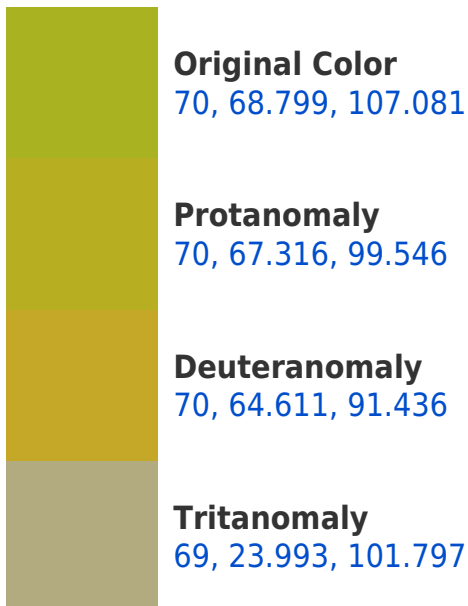
Deuteranopia

70, 65.104, 81.929

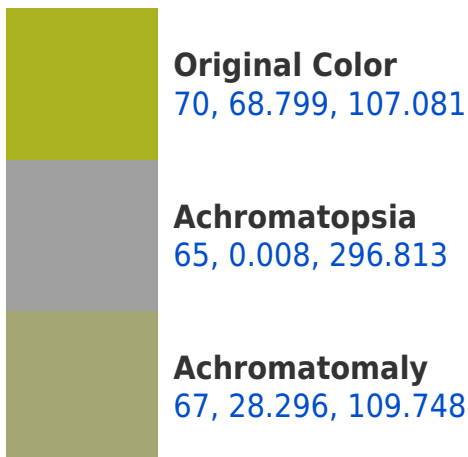


Tritanopia
70, 8.873, 326.827

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 68.799, 107.081 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, 179, 34)` looks like.

```
.text, #text, p{  
    color:rgb(169, 179, 34)  
}
```

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, 179, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 179, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 68.799, 107.081 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, 179, 34) }
```

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

```
.border{ border-color:rgb(169, 179, 34) }
```

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

Here you see how a box with a 4 pixel rgb(169, 179, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 179, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 179, 34);  
box-shadow:4px 4px 4px 4px rgb(169, 179,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 68.799, 107.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 179, 34) }
```

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

```
.background{ background-color: rgb(169,  
179, 34) }
```

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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