

Converting Colors

CIELCh(68, 67.123, 102.921)

Have a look what the booklet for
CIELCh(68, 67.123, 102.921)
contains.

CIELCh(68, 67.123, 102.921)	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(68, 67.123, 102.921)

Conversions

Conversions Part 1

Format	Color
Hex	ACAB1D
RGB	172, 171, 29
RGB Percent	67%, 67%, 11%
CMY	0.3256, 0.3295, 0.8864
CMYK	0.00, 0.01, 0.83, 0.33
HSL	60°, 71%, 39%
HSV	60°, 83%, 67%
XYZ	31.7864, 37.9720, 6.8140
YIQ	155.1110, 46.1780, -43.9500

Conversions

Conversions Part 2

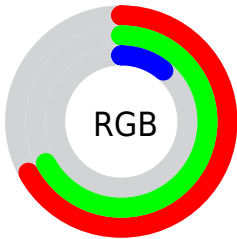
Format	Color
RYB	30, 172, 29
Decimal	11315997
CIELab	68.00, -15.01, 65.42
CIElCh	68, 67.123, 102.921
Yxy	37.9720, 0.4151, 0.4959
Android (android.graphics.Color)	4289506077 (0xFFACAB1D)
YUV	155.1110, -62.1727, 14.8117
Hunter-Lab	61.6215, -15.7613, 36.5789

Details

The CIELCh color **68, 67.123, 102.921** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **24, 88.344, 304.088**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 67.116, 102.764**, and **48, 55.197, 104.355** is the 20% darker color. If you saturate the color by 10%, you get **68, 70.344, 102.581**, and if you desaturate by 10%, it is **68, 62.026, 103.447**.

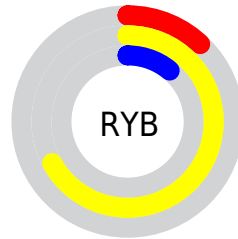
Distribution



Red (67%)

Green (67%)

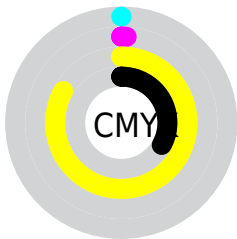
Blue (11%)



Red (12%)

Yellow (67%)

Blue (11%)

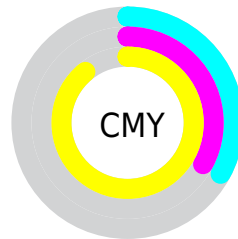


Cyan (0%)

Magenta (1%)

Yellow (83%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 67.123, 102.921 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, 67.123, 102.921 by changing the saturation by 10% instead.


 68, 67.123,
102.921


 68, 67.123,
102.921


 100, 67.123,
102.921


 58, 67.123,
102.921


 88, 67.123,
102.921

 48, 67.123,
102.921


 98, 67.123,
102.921

 38, 67.123,
102.921

 28, 67.123,
102.921

 18, 67.123,
102.921

 8, 67.123, 102.921

 0, 67.123, 102.921

■ 68, 67.123,
102.921

■ 68, 67.123,
102.921

■ 68, 70.344,
102.581

■ 68, 62.026,
103.447

■ 68, 71.763,
102.420

■ 68, 55.421,
104.126

■ 68, 47.745,
104.923

■ 69, 39.365,
105.800

■ 69, 30.546,
106.729

■ 69, 21.464,
107.683

■ 70, 12.235,
108.644

■ 70, 2.933, 109.584

Harmonies

Complementary

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



68, 67.123, 102.921



24, 88.344, 304.088

Rectangle

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



68, 67.123, 102.921



68, 67.123, 152.921



68, 67.123, 282.921



68, 67.123, 332.921

Sweetspot

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



68, 67.123, 102.923



88, 28.742, 107.463



37, 66.637, 33.727



46, 19.546, 107.138



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, 67.123, 102.923



86, 87.526, 102.412



64, 74.069, 126.007



37, 5.304, 109.011



60, 65.043, 102.425



7, 11.227, 109.766

Inverse Universe

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



24, 88.344, 304.088



28, 121.203, 306.222



31, 84.295, 312.142



33, 5.418, 290.856



17, 89.919, 306.180



1, 11.282, 289.953

Previews

White Background



This preview shows how the CIELCh color 68, 67.123, 102.921 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, 67.123, 102.921 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, 67.123, 102.921

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.123, 102.921.



This preview shows how white text looks on a background with the CIELCh color 68, 67.123, 102.921.

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, 67.123, 102.921

Protanopia
68, 66.419, 95.004

Deuteranopia
68, 64.785, 81.975



Tritanopia
68, 11.608, 342.500

Trichromacy



Original Color
68, 67.123, 102.921

Protanomaly
68, 66.669, 97.816

Deuteranomaly
68, 64.476, 89.529

Tritanomaly
67, 24.502, 91.727

Monochromacy



Original Color
68, 67.123, 102.921

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 28.403, 107.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.123, 102.921 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(172, 171, 29)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 29)  
}
```

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(172, 171, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.123, 102.921 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(172, 171, 29) }
```

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

```
.border{ border-color:rgb(172, 171, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 29);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.123, 102.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 29) }
```

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

```
.background{ background-color: rgb(172,  
171, 29) }
```

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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