

Converting Colors

CIELCh(67, 70.169, 99.920)

Have a look what the booklet for
CIELCh(67, 70.169, 99.920) contains.

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Color

CIELCh(67, 70.295, 99.913)

Conversions

Conversions Part 1

Format	Color
Hex	AFA702
RGB	175, 167, 2
RGB Percent	69%, 65%, 1%
CMY	0.3148, 0.3461, 0.9907
CMYK	0.00, 0.05, 0.99, 0.31
HSL	57°, 97%, 35%
HSV	57°, 99%, 69%
XYZ	31.4026, 36.6320, 5.4835
YIQ	150.5820, 57.7330, -49.6190

Conversions

Conversions Part 2

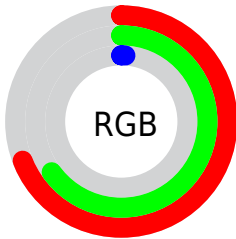
Format	Color
RYB	10, 175, 2
Decimal	11511554
CIELab	67.00, -12.10, 69.25
CIElCh	67, 70.295, 99.913
Yxy	36.6320, 0.4271, 0.4983
Android (android.graphics.Color)	4289701634 (0xFFAFA702)
YUV	150.5820, -73.2509, 21.4146
Hunter-Lab	60.5244, -13.3044, 36.9953

Details

The CIELCh color **67, 70.295, 99.913** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 97.980, 305.574**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 70.467, 100.063**, and **47, 53.851, 101.295** is the 20% darker color. If you saturate the color by 10%, you get **67, 70.567, 99.855**, and if you desaturate by 10%, it is **67, 68.038, 100.381**.

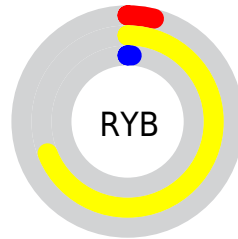
Distribution



Red (69%)

Green (65%)

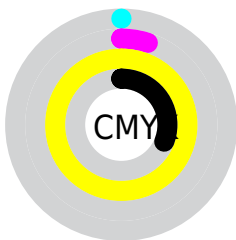
Blue (1%)



Red (4%)

Yellow (69%)

Blue (1%)

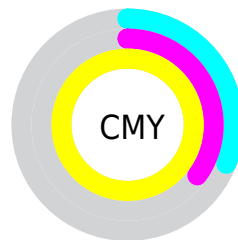


Cyan (0%)

Magenta (5%)

Yellow (99%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 70.295, 99.913 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 67, 70.295, 99.913 by changing the saturation by 10% instead.

67, 70.295, 99.913

67, 70.295, 99.913

100, 70.295,
99.913

57, 70.295, 99.913

87, 70.295, 99.913

47, 70.295, 99.913

97, 70.295, 99.913

37, 70.295, 99.913

27, 70.295, 99.913

17, 70.295, 99.913

7, 70.295, 99.913

0, 70.295, 99.913

67, 70.295, 99.913

67, 70.295, 99.913

67, 70.567, 99.855

67, 68.038,

100.381

■ 68, 63.964,
100.975

■ 68, 58.145,
101.703

■ 68, 51.046,
102.541

■ 69, 43.097,
103.457

■ 69, 34.621,
104.424

■ 70, 25.833,
105.417

■ 70, 16.872,
106.419

■ 71, 7.828, 107.411

Harmonies

Complementary

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



67, 70.295, 99.913



21, 97.980, 305.574

Rectangle

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



67, 70.295, 99.913



67, 70.295, 149.913



67, 70.295, 279.913



67, 70.295, 329.913

Sweetspot

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



67, 70.294, 99.915



88, 33.443, 105.229



36, 75.896, 37.548



47, 22.941, 104.817



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 70.294, 99.915



85, 85.748, 99.800



64, 80.338, 126.098



36, 5.099, 107.346



58, 63.233, 99.892



7, 10.585, 107.324

Inverse Universe

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



21, 97.980, 305.574



29, 120.629, 305.857



26, 94.302, 310.908



34, 5.201, 289.249



17, 87.974, 305.576



1, 10.919, 288.633

Previews

White Background



This preview shows how the CIELCh color 67, 70.295, 99.913 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 67, 70.295, 99.913 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 67, 70.295, 99.913

Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.295, 99.913.



This preview shows how white text looks on a background with the CIELCh color 67, 70.295, 99.913.

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

67, 70.422, 99.906

Protanopia

67, 70.296, 95.339

Deuteranopia

67, 67.665, 82.832



Tritanopia
67, 13.289, 350.902

Trichromacy



Original Color
67, 70.422, 99.906

Protanomaly
67, 70.236, 96.869

Deuteranomaly
67, 68.136, 88.945

Tritanomaly
66, 30.102, 88.717

Monochromacy



Original Color
67, 70.422, 99.906

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 32.815, 104.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 70.295, 99.913 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(175, 167, 2)` looks like.

```
.text, #text, p{  
    color:rgb(175, 167, 2)  
}
```

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(175, 167, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 167, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 70.295, 99.913 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(175, 167, 2) }
```

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

```
.border{ border-color:rgb(175, 167, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 167, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 167, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 167, 2);  
box-shadow:4px 4px 4px 4px rgb(175, 167,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 70.295, 99.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 167, 2) }
```

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

```
.background{ background-color: rgb(175,  
167, 2) }
```

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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