

Converting Colors

CIE LCh(97, 4.103, 111.990)

Have a look what the booklet for
CIELCh(97, 4.103, 111.990) contains.

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Color

CIELCh(97, 4.070, 109.848)

Conversions

Conversions Part 1

Format	Color
Hex	F7F7EF
RGB	247, 247, 239
RGB Percent	97%, 97%, 94%
CMY	0.0318, 0.0318, 0.0631
CMYK	0.00, 0.00, 0.03, 0.03
HSL	60°, 33%, 95%
HSV	60°, 3%, 97%
XYZ	87.1160, 92.4403, 94.8344
YIQ	246.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

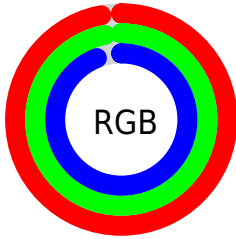
Format	Color
R _Y B	239, 247, 239
Decimal	16250863
CIE Lab	97.00, -1.38, 3.83
CIE LCh	97, 4.070, 109.848
Yxy	92.4403, 0.3175, 0.3369
Android (android.graphics.Color)	4294440943 (0xFF7F7EF)
YUV	246.0880, -3.4944, 0.7998
Hunter-Lab	96.1459, -6.5197, 8.8209

Details

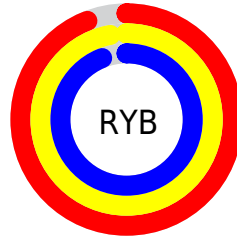
The CIELCh color **97, 4.070, 109.848** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 4.122, 290.537**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 4.274, 109.766** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.636, 108.912**, and if you desaturate by 10%, it is **97, 4.145, 290.555**.

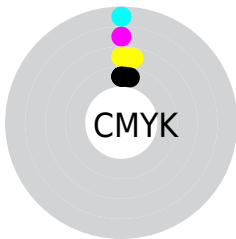
Distribution



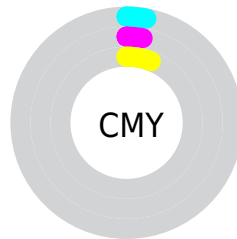
- Red (97%)
- Green (97%)
- Blue (94%)



- Red (94%)
- Yellow (97%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.070, 109.848 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 97, 4.070, 109.848 by changing the saturation by 10% instead.

 97, 4.070, 109.848

 97, 4.070, 109.848

 100, 4.070,
109.848

 87, 4.070, 109.848

 77, 4.070, 109.848

 67, 4.070, 109.848

 57, 4.070, 109.848

 47, 4.070, 109.848

 37, 4.070, 109.848

 27, 4.070, 109.848

 17, 4.070, 109.848

 7, 4.070, 109.848

97, 4.070, 109.848

97, 4.070, 109.848

96, 16.636,
108.912

97, 4.145, 290.555

96, 29.090,
107.936

97, 4.145, 290.621

96, 41.326,
106.969

97, 4.145, 290.688

95, 53.175,
106.034

97, 4.145, 290.822

95, 64.375,
105.157

97, 4.146, 290.888


95, 74.536,
104.374

97, 4.146, 291.022

95, 83.121,
103.726

97, 4.146, 291.089

94, 89.524,
103.252

 94, 93.296,
102.978

Harmonies

Complementary

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



97, 4.070, 109.848



95, 4.122, 290.537

Rectangle

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



97, 4.070, 109.848



97, 4.070, 159.848



97, 4.070, 289.848



97, 4.070, 339.848

Sweetspot

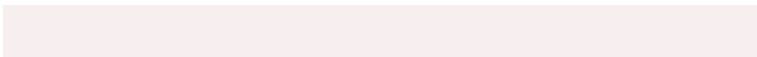
The Sweet Spot groups the original color and five complimentary colors.



97, 4.072, 109.870



100, 1.282, 110.044



95, 2.847, 19.375



53, 0.729, 110.046



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



97, 4.072, 109.870



100, 5.161, 109.800



97, 4.331, 128.959



51, 3.548, 109.731



73, 76.501, 102.887



24, 33.186, 103.209

Inverse Universe

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



95, 4.122, 290.537



97, 5.227, 290.612



95, 4.370, 309.179



49, 3.597, 290.685



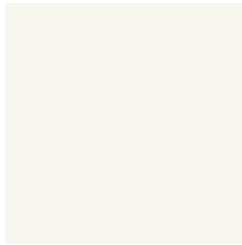
22, 105.631, 306.289



3, 39.907, 299.783

Previews

White Background



This preview shows how the CIELCh color 97, 4.070, 109.848 looks on a white background.

Color Contrast Check

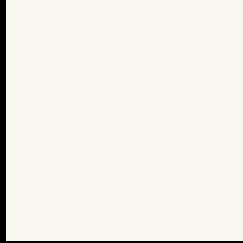
Large Text (above 18pt) WCAG AA × Fail

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 97, 4.070, 109.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

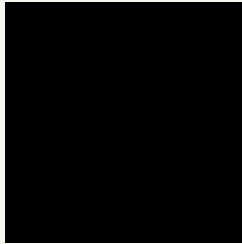
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

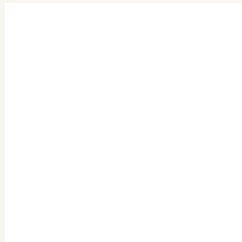
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 4.070, 109.848

Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.070, 109.848.

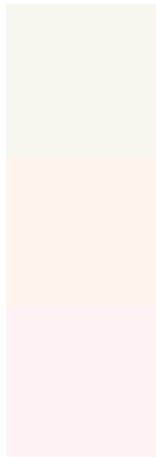


This preview shows how white text looks on a background with the CIELCh color 97, 4.070, 109.848.

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


97, 4.070, 109.848

Protanopia

97, 4.552, 70.924

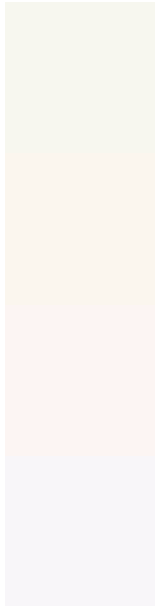
Deuteranopia

97, 3.938, 12.069



Tritanopia
97, 5.326, 305.676

Trichromacy



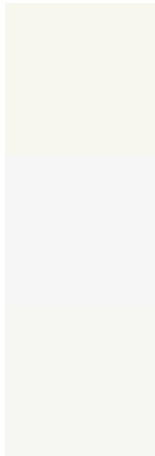
Original Color
97, 4.070, 109.848

Protanomaly
97, 4.431, 86.076

Deuteranomaly
97, 2.672, 41.734

Tritanomaly
97, 1.704, 314.601

Monochromacy



Original Color
97, 4.070, 109.848

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 1.521, 110.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 4.070, 109.848 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(247, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 239)  
}
```

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(247, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 4.070, 109.848 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(247, 247, 239) }
```

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

```
.border{ border-color:rgb(247, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 4.070, 109.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 239) }
```

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

```
.background{ background-color: rgb(247,  
247, 239) }
```

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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