

Converting Colors

CIELCh(98, 7.825, 19.000)

Have a look what the booklet for
CIELCh(98, 7.825, 19.000) contains.

CIELCh(97, 3.938, 12.069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(97, 3.938, 12.069)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4F5
RGB	255, 244, 245
RGB Percent	100%, 96%, 96%
CMY	0.0005, 0.0436, 0.0397
CMYK	0.00, 0.04, 0.04, 0.00
HSL	355°, 98%, 98%
HSV	355°, 4%, 100%
XYZ	89.9623, 92.4403, 99.3810
YIQ	247.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

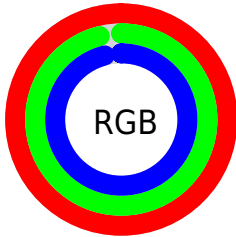
Format	Color
RYB	255, 244, 245
Decimal	16774389
CIELab	97.00, 3.85, 0.82
CIElCh	97, 3.938, 12.069
Yxy	92.4403, 0.3193, 0.3281
Android (android.graphics.Color)	4294964469 (0xFFFFF4F5)
YUV	247.4030, -1.1847, 6.6626
Hunter-Lab	96.1459, -1.2355, 6.0171

Details

The CIELCh color **97, 3.938, 12.069** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 3.844, 191.757**, 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, 3.769, 11.414** is the 20% darker color. If you saturate the color by 10%, you get **90, 13.508, 13.119**, and if you desaturate by 10%, it is **100, 0.046, 213.816**.

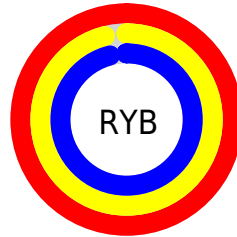
Distribution



Red (100%)

Green (96%)

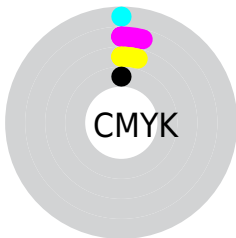
Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)

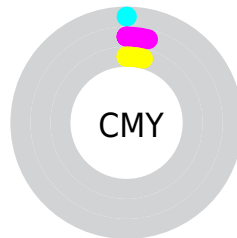


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 3.938, 12.069 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, 3.938, 12.069 by changing the saturation by 10% instead.

 97, 3.938, 12.069

 97, 3.938, 12.069

 100, 3.938, 12.069

 87, 3.938, 12.069

 77, 3.938, 12.069

 67, 3.938, 12.069

 57, 3.938, 12.069

 47, 3.938, 12.069

 37, 3.938, 12.069

 27, 3.938, 12.069

 17, 3.938, 12.069

 7, 3.938, 12.069

97, 3.938, 12.069

97, 3.938, 12.069

90, 13.508, 13.119

100, 0.046,
213.816

84, 23.710, 14.252

77, 34.485, 15.651

71, 45.691, 17.418

66, 57.079, 19.675

61, 68.296, 22.558

58, 78.946, 26.165

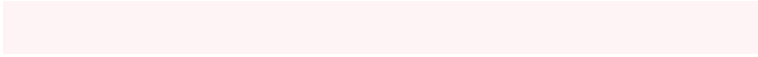
55, 88.648, 30.440

54, 96.908, 34.942

Harmonies

Complementary

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



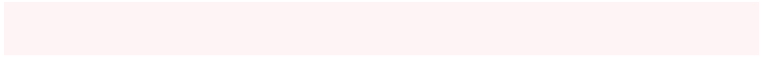
97, 3.938, 12.069



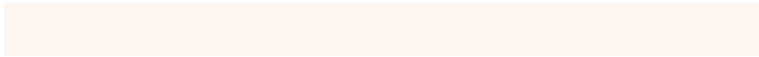
99, 3.844, 191.757

Rectangle

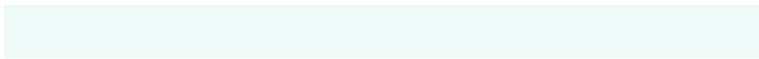
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



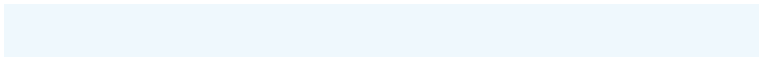
97, 3.938, 12.069



97, 3.938, 62.069



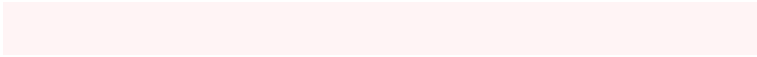
97, 3.938, 192.069



97, 3.938, 242.069

Sweetspot

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



97, 3.936, 12.098



99, 0.905, 11.285



97, 6.638, 321.883



53, 0.514, 11.244



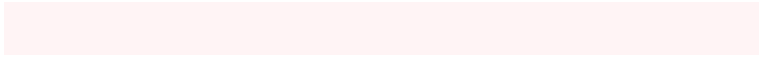
0, 0.000, 0.000



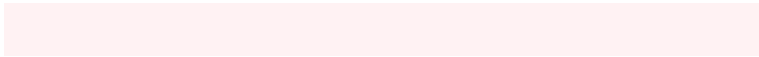
53, 0.007, 296.813

Same Dimension

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



97, 3.936, 12.098



97, 4.575, 12.177



98, 3.218, 63.289



51, 3.128, 12.254



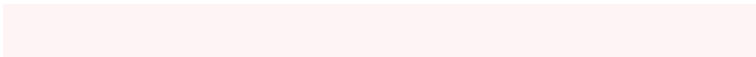
40, 80.419, 36.419



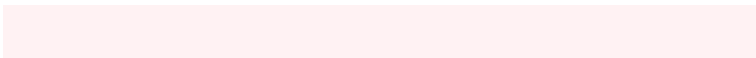
10, 32.667, 23.507

Inverse Universe

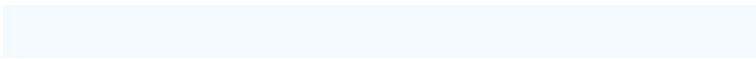
The Inverse Universe completely reimagines the original color for something new.



97, 3.936, 12.098



97, 4.575, 12.177



98, 3.175, 244.522



51, 3.128, 12.254



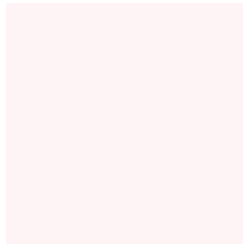
40, 80.419, 36.419



10, 32.667, 23.507

Previews

White Background



This preview shows how the CIE LCh color 97, 3.938, 12.069 looks on a white background.

Color Contrast Check

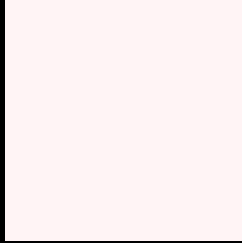
Large Text (above 18pt) WCAG AA × Fail

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, 3.938, 12.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

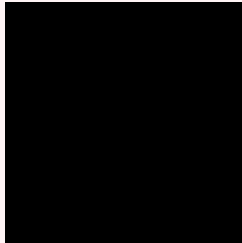
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

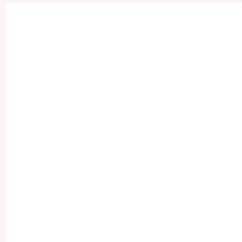
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 3.938, 12.069

Background



This preview shows how black text looks on a background with the CIELCh color 97, 3.938, 12.069.

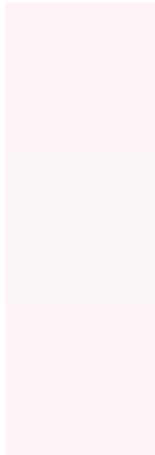


This preview shows how white text looks on a background with the CIELCh color 97, 3.938, 12.069.

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, 3.938, 12.069

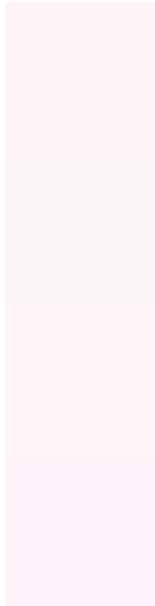
Protanopia
97, 2.186, 5.755

Deuteranopia
97, 4.037, 4.883



Tritanopia
97, 7.103, 319.977

Trichromacy



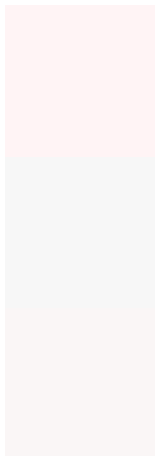
Original Color
97, 3.938, 12.069

Protanomaly
97, 2.532, 7.695

Deuteranomaly
97, 4.037, 4.883

Tritanomaly
97, 5.662, 333.425

Monochromacy



Original Color
97, 3.938, 12.069

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 1.411, 19.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 3.938, 12.069 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(255, 244, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 245)  
}
```

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(255, 244, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 3.938, 12.069 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(255, 244, 245) }
```

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

```
.border{ border-color:rgb(255, 244, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 3.938, 12.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 245) }
```

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

```
.background{ background-color: rgb(255,  
244, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor