

# Converting Colors

CIELCh(100, 10.039, 61.744)

Have a look what the booklet for  
CIELCh(100, 10.039, 61.744)  
contains.

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# **Color**

**CIELCh(99, 6.739, 97.389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCEF
RGB	255, 252, 239
RGB Percent	100%, 99%, 94%
CMY	0.0000, 0.0111, 0.0622
CMYK	0.00, 0.01, 0.06, 0.00
HSL	49°, 100%, 97%
HSV	49°, 6%, 100%
XYZ	92.1251, 97.4360, 95.7211
YIQ	251.4150, 5.9610, -3.4070

# Conversions

## Conversions Part 2

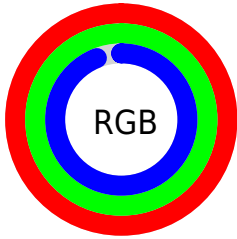
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 239
Decimal	16776431
CIE <sub>Lab</sub>	99.00, -0.87, 6.68
CIE <sub>LCh</sub>	99, 6.739, 97.389
Yxy	97.4360, 0.3229, 0.3415
Android (android.graphics.Color)	4294966511 (0xFFFFFCEF)
YUV	251.4150, -6.1206, 3.1440
Hunter-Lab	98.7097, -6.1491, 11.6019

# Details

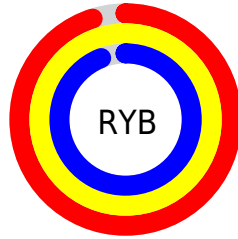
The CIELCh color 99, 6.739, 97.389 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 6.738, 282.368, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.477, 99.529 is the 20% darker color. If you saturate the color by 10%, you get 97, 17.463, 99.770, and if you desaturate by 10%, it is 100, 0.012, 296.813.

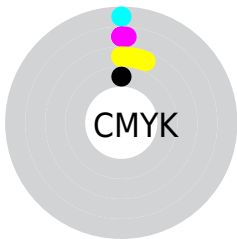
# Distribution



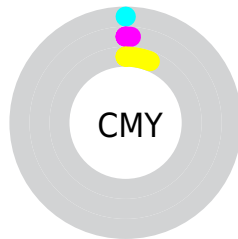
- Red (100%)
- Green (99%)
- Blue (94%)



- Red (95%)
- Yellow (100%)
- Blue (94%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.739, 97.389 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 99, 6.739, 97.389 by changing the saturation by 10% instead.





99, 6.739, 97.389

99, 6.739, 97.389

97, 17.463, 99.770

100, 0.012,  
296.813

96, 28.285, 98.596

94, 39.057, 97.398

93, 49.642, 96.184

91, 59.804, 94.965

90, 69.149, 93.742

88, 77.074, 92.511

87, 82.787, 91.244

86, 85.611, 89.887

# Harmonies

# Complementary

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



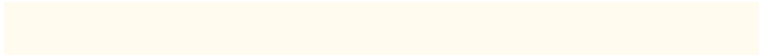
99, 6.739, 97.389



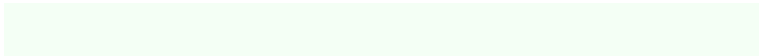
96, 6.738, 282.368

# Rectangle

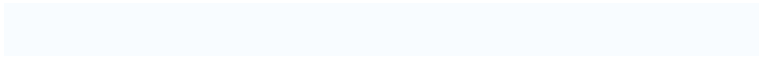
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 6.739, 97.389



99, 6.739, 147.389



99, 6.739, 277.389



99, 6.739, 327.389

# Sweetspot

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



99, 6.669, 100.901



100, 2.134, 101.318



96, 5.852, 4.993



53, 1.213, 101.325



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



99, 6.669, 100.901



99, 7.510, 100.816



99, 8.248, 122.089



53, 4.881, 100.749



66, 69.490, 89.617



22, 30.929, 91.486





# Inverse Universe

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



96, 6.738, 282.368



95, 7.592, 282.461



95, 8.361, 302.774



50, 4.937, 282.533



27, 96.506, 303.142

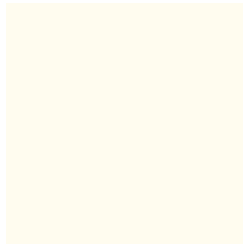


6, 38.394, 298.187



# Previews

## White Background



This preview shows how the CIELCh color 99, 6.739, 97.389 looks on a white background.

## Color Contrast Check

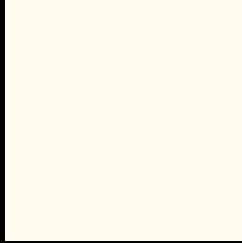
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 99, 6.739, 97.389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

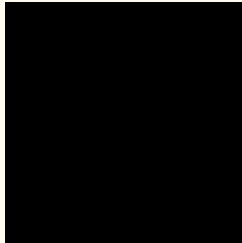
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 6.739, 97.389**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 6.739, 97.389.



This preview shows how white text looks on a background with the CIELCh color 99, 6.739, 97.389.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a top yellow section, a middle light orange section, and a bottom light pink section. To the right of these sections are three text blocks, each corresponding to a color vision deficiency type. Each block contains a bold title and a list of three numbers in blue text.

**Original Color**

99, 6.670, 100.411

**Protanopia**

99, 2.888, 80.608

**Deuteranopia**

99, 1.406, 19.030

**Tritanopia**  
99, 2.171, 309.072



# Trichromacy

**Original Color**  
99, 6.670, 100.411

**Protanomaly**  
99, 3.809, 88.002

**Deuteranomaly**  
99, 2.456, 74.858

**Tritanomaly**  
99, 1.450, 63.329

# Monochromacy

**Original Color**  
99, 6.670, 100.411

**Achromatopsia**  
99, 0.012, 296.813

**Achromatomaly**  
99, 2.551, 102.009

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 6.739, 97.389 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, 252, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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(255, 252, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.739, 97.389 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, 252, 239) }
```

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

```
.border{ border-color:rgb(255, 252, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.739, 97.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 239) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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