

# Converting Colors

CIELCh(99, 7.441, 111.624)

Have a look what the booklet for  
CIELCh(99, 7.441, 111.624) contains.

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# **Color**

**CIELCh(99, 7.097, 109.633)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD FDEF
RGB	253, 253, 239
RGB Percent	99%, 99%, 94%
CMY	0.0075, 0.0075, 0.0624
CMYK	0.00, 0.00, 0.06, 0.01
HSL	60°, 79%, 97%
HSV	60°, 6%, 99%
XYZ	91.2799, 97.4360, 95.7191
YIQ	251.4040, 4.4940, -4.3540

# Conversions

## Conversions Part 2

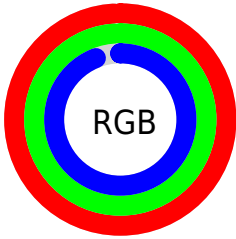
Format	Color
R <sub>Y</sub> B	239, 253, 239
Decimal	16645615
CIE Lab	99.00, -2.38, 6.68
CIE LCh	99, 7.097, 109.633
Yxy	97.4360, 0.3209, 0.3426
Android (android.graphics.Color)	4294835695 (0xFFFFDFDEF)
YUV	251.4040, -6.1152, 1.3997
Hunter-Lab	98.7097, -7.6775, 11.6031

# Details

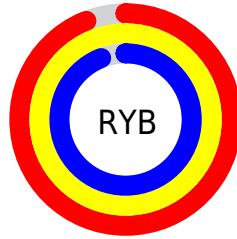
The CIELCh color 99, 7.097, 109.633 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 7.206, 290.758, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.915, 109.537 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.899, 108.677, and if you desaturate by 10%, it is 99, 0.984, 290.407.

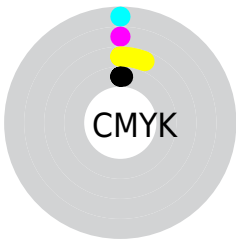
# Distribution



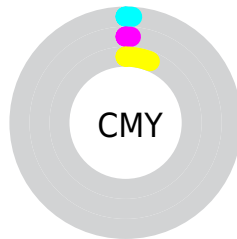
- Red (99%)
- Green (99%)
- Blue (94%)



- Red (94%)
- Yellow (99%)
- Blue (94%)



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 7.097, 109.633 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, 7.097, 109.633 by changing the saturation by 10% instead.



 99, 7.097, 109.633

 99, 7.097, 109.633

 100, 7.097,  
109.633

 89, 7.097, 109.633

 79, 7.097, 109.633

 69, 7.097, 109.633

 59, 7.097, 109.633

 49, 7.097, 109.633

 39, 7.097, 109.633

 29, 7.097, 109.633

 19, 7.097, 109.633

 9, 7.097, 109.633

99, 7.097, 109.633

99, 7.097, 109.633

98, 19.899,  
108.677

99, 0.984, 290.407

98, 32.566,  
107.700

99, 0.984, 290.582

98, 44.976,  
106.736

99, 0.984, 290.757

97, 56.937,  
105.810

99, 0.984, 291.107

97, 68.156,  
104.951

99, 0.984, 291.281

97, 78.195,  
104.195

99, 0.984, 291.631

97, 86.479,  
103.583

99, 0.984, 291.806

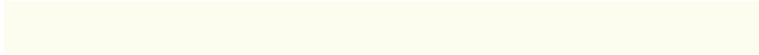
97, 92.395,  
103.155

■ 96, 95.582,  
102.928

# Harmonies

# Complementary

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



99, 7.097, 109.633



95, 7.206, 290.758

# Rectangle

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



99, 7.097, 109.633



99, 7.097, 159.633



99, 7.097, 289.633



99, 7.097, 339.633

# Sweetspot

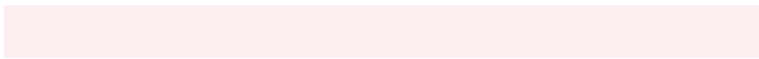
The Sweet Spot groups the original color and five complimentary colors.



99, 7.099, 109.647



100, 2.575, 109.969



96, 5.003, 19.615



53, 1.464, 109.977



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, 7.099, 109.647



100, 9.036, 109.506



98, 7.556, 128.844



53, 5.871, 109.448



75, 78.056, 102.873



26, 35.525, 103.012



# Inverse Universe

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



95, 7.206, 290.758



94, 9.195, 290.912



95, 7.631, 309.295



50, 5.981, 290.977



23, 107.779, 306.288

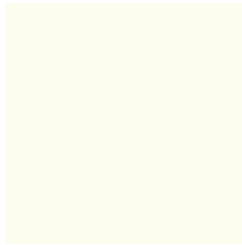


3, 44.128, 301.765



# Previews

## White Background



This preview shows how the CIE LCh color 99, 7.097, 109.633 looks on a white background.

## Color Contrast Check

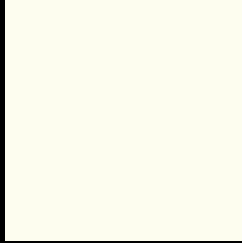
Large Text (above 18pt) WCAG AA × Fail

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 99, 7.097, 109.633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

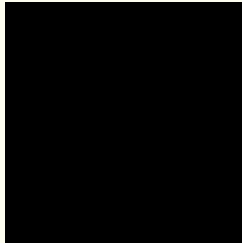
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 7.097, 109.633

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 7.097, 109.633.



This preview shows how white text looks on a background with the CIELCh color 99, 7.097, 109.633.

# 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

The image shows three vertical bars of different colors: a yellow bar at the top, a light orange bar in the middle, and a light pink bar at the bottom. Each bar is associated with a specific color vision deficiency simulation.

### Original Color

99, 7.097, 109.633

### Protanopia

99, 2.732, 87.135


### Deuteranopia

99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



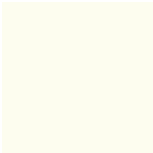
**Original Color**  
99, 7.097, 109.633

**Protanomaly**  
99, 4.108, 99.912

**Deuteranomaly**  
99, 2.619, 94.320

**Tritanomaly**  
99, 1.550, 96.903

# Monochromacy



**Original Color**  
99, 7.097, 109.633



**Achromatopsia**  
99, 0.012, 296.813

**Achromatomaly**  
99, 2.530, 109.957

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 7.097, 109.633 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(253, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 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(253, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 7.097, 109.633 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(253, 253, 239) }
```

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

```
.border{ border-color:rgb(253, 253, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 7.097, 109.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 239) }
```

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

```
.background{ background-color: rgb(253,  
253, 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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