

# Converting Colors

CIELCh(99, 7.130, 103.869)

Have a look what the booklet for  
CIELCh(99, 7.130, 103.869) contains.

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# **Color**

**CIELCh(99, 7.125, 103.871)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFDEF
RGB	255, 253, 239
RGB Percent	100%, 99%, 94%
CMY	0.0014, 0.0092, 0.0641
CMYK	0.00, 0.01, 0.06, 0.00
HSL	53°, 96%, 97%
HSV	53°, 6%, 100%
XYZ	91.6559, 97.4360, 95.3706
YIQ	252.0020, 5.6860, -3.9300

# Conversions

## Conversions Part 2

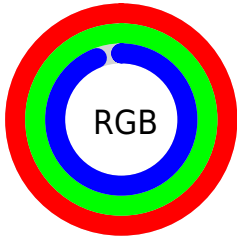
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 255, 239
Decimal	16776687
CIE Lab	99.00, -1.71, 6.92
CIE LCh	99, 7.125, 103.871
Yxy	97.4360, 0.3222, 0.3425
Android (android.graphics.Color)	4294966767 (0xFFFFFDEF)
YUV	252.0020, -6.4100, 2.6292
Hunter-Lab	98.7097, -6.9975, 11.8124

# Details

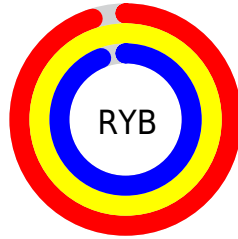
The CIELCh color 99, 7.125, 103.871 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 7.216, 285.294, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.948, 103.310 is the 20% darker color. If you saturate the color by 10%, you get 98, 18.511, 102.806, and if you desaturate by 10%, it is 100, 0.120, 204.908.

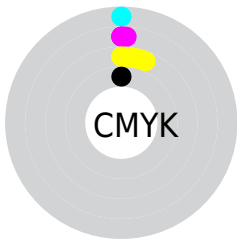
# Distribution



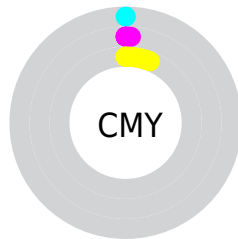
- Red (100%)
- Green (99%)
- Blue (94%)



- 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, 7.125, 103.871 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, 7.125, 103.871 by changing the saturation by 10% instead.



 99, 7.125, 103.871

 99, 7.125, 103.871

 100, 7.125,  
103.871

 89, 7.125, 103.871


 79, 7.125, 103.871

 69, 7.125, 103.871

 59, 7.125, 103.871

 49, 7.125, 103.871

 39, 7.125, 103.871

 29, 7.125, 103.871

 19, 7.125, 103.871

 9, 7.125, 103.871

99, 7.125, 103.871

99, 7.125, 103.871

98, 18.511,  
102.806

100, 0.120,  
204.908

96, 29.868,  
101.695

95, 41.107,  
100.570

94, 52.069, 99.446

93, 62.494, 98.339

92, 71.966, 97.262

91, 79.875, 96.229

90, 85.478, 95.238

89, 88.208, 94.269

# Harmonies

# Complementary

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



99, 7.125, 103.871



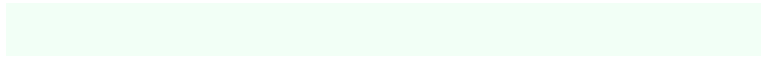
95, 7.216, 285.294

# Rectangle

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



99, 7.125, 103.871



99, 7.125, 153.871



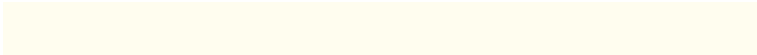
99, 7.125, 283.871



99, 7.125, 333.871

# Sweetspot

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



99, 7.127, 103.886



100, 2.262, 104.302



96, 5.818, 8.898



53, 1.286, 104.310



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, 7.127, 103.886



99, 9.093, 103.705



99, 8.392, 123.969



53, 6.465, 103.544



69, 71.621, 94.078



23, 32.227, 95.408





# Inverse Universe

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



95, 7.216, 285.294



94, 9.225, 285.493



95, 8.501, 304.602



49, 6.572, 285.673



25, 101.162, 304.515

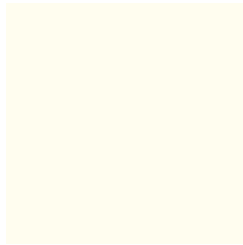


5, 40.161, 299.446



# Previews

## White Background



This preview shows how the CIE LCh color 99, 7.125, 103.871 looks on a white background.

## Color Contrast Check

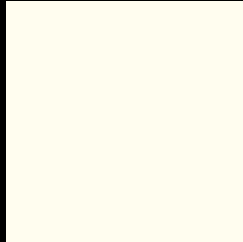
Large Text (above 18pt) WCAG AA × Fail

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, 7.125, 103.871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

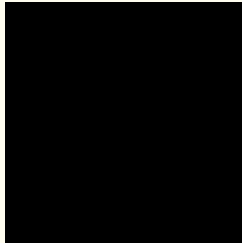
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 7.125, 103.871

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 7.125, 103.871.



This preview shows how white text looks on a background with the CIELCh color 99, 7.125, 103.871.

# 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 yellow top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

**Original Color**

99, 7.125, 103.871

**Protanopia**

99, 2.732, 87.135

**Deuteranopia**

99, 1.406, 19.030

**Tritanopia**  
99, 2.171, 309.072



# Trichromacy

**Original Color**  
99, 7.125, 103.871

**Protanomaly**  
99, 4.181, 95.099

**Deuteranomaly**  
99, 2.732, 87.135

**Tritanomaly**  
99, 1.662, 84.963

# Monochromacy

**Original Color**  
99, 7.125, 103.871

**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, 7.125, 103.871 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, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 7.125, 103.871 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, 253, 239) }
```

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

```
.border{ border-color:rgb(255, 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(255, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 253, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 253, 239); box-shadow:4px 4px 4px 4px rgb(255, 253, 239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 7.125, 103.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 239) }
```

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

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