

Converting Colors

CIELCh(100, 8.817, 74.002)

Have a look what the booklet for
CIELCh(100, 8.817, 74.002) contains.

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

Conversions

Conversions Part 1

Format	Color
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

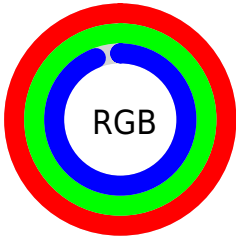
Format	Color
R _Y B	241, 255, 239
Decimal	16776687
CIE Lab	99.00, -1.71, 6.92
CIE LCh	99, 7.125, 103.871
Yxy	97.4360, 0.3222, 0.3425
Android (android.graphics.Color)	4294966767 (0xFFFFFDEF)
YUV	252.0020, -6.4100, 2.6292
Hunter-Lab	98.7097, -6.9975, 11.8124

Details

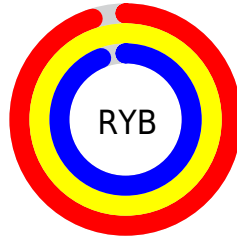
The CIELCh color 99, 7.125, 103.871 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 7.216, 285.294, and the grayscale version is 99, 0.012, 296.813.

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.

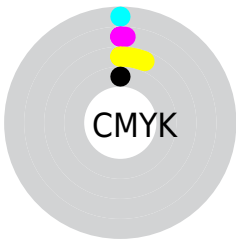
Distribution



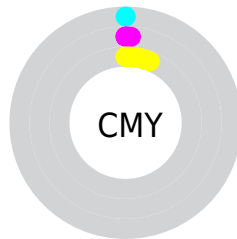
- Red (100%)
- Green (99%)
- Blue (94%)



- 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

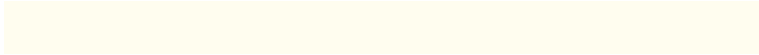
90, 85.478, 95.238

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



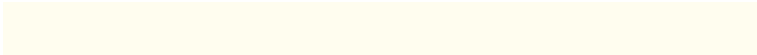
99, 7.125, 283.871



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



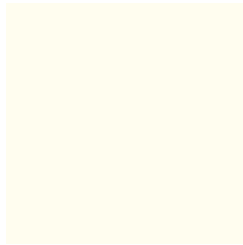
25, 101.162, 304.515



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

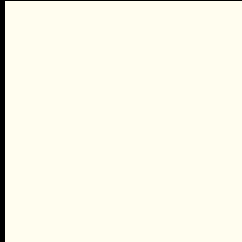
Large Text (above 18pt) WCAG AA × Fail

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

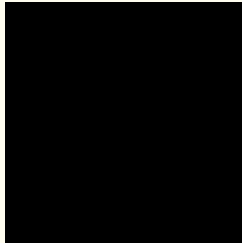
Large Text (above 18pt) WCAG AAA ✓ Pass

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



The image shows a vertical bar divided into three sections. The top section is a bright yellow, the middle is a light orange, and the bottom is a very light orange. To the right of each section is text describing the color and its corresponding L, M, and S cone response values.

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](#).

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