

Converting Colors

CIELCh(100, 7.469, 60.003)

Have a look what the booklet for
CIELCh(100, 7.469, 60.003) contains.

CIELCh(99, 4.674, 96.630)	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, 4.674, 96.630)

Conversions

Conversions Part 1

Format	Color
Hex	FFFCF3
RGB	255, 252, 243
RGB Percent	100%, 99%, 95%
CMY	0.0000, 0.0114, 0.0467
CMYK	0.00, 0.01, 0.05, 0.00
HSL	45°, 100%, 98%
HSV	45°, 5%, 100%
XYZ	92.3079, 97.4360, 98.8118
YIQ	251.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

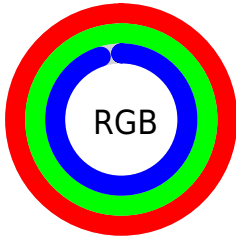
Format	Color
R_{YB}	247, 255, 243
Decimal	16776435
CIE _{Lab}	99.00, -0.54, 4.64
CIE _{LCh}	99, 4.674, 96.630
Yxy	97.4360, 0.3199, 0.3377
Android (android.graphics.Color)	4294966515 (0xFFFFFCF3)
YUV	251.8710, -4.3734, 2.7441
Hunter-Lab	98.7097, -5.8186, 9.7454

Details

The CIELCh color 99, 4.674, 96.630 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 4.703, 278.271, 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, 4.391, 94.971 is the 20% darker color. If you saturate the color by 10%, you get 97, 14.782, 95.899, and if you desaturate by 10%, it is 100, 0.012, 296.813.

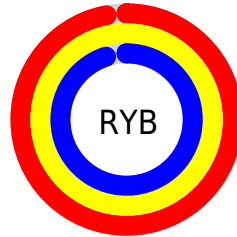
Distribution



Red (100%)

Green (99%)

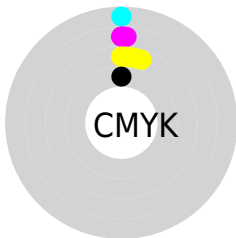
Blue (95%)



Red (97%)

Yellow (100%)

Blue (95%)

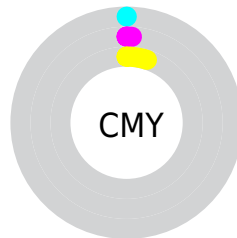


Cyan (0%)

Magenta (1%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (1%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 4.674, 96.630 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, 4.674, 96.630 by changing the saturation by 10% instead.

 99, 4.674, 96.630

 99, 4.674, 96.630

 100, 4.674, 96.630

 89, 4.674, 96.630

 79, 4.674, 96.630

 69, 4.674, 96.630

 59, 4.674, 96.630

 49, 4.674, 96.630

 39, 4.674, 96.630

 29, 4.674, 96.630

 19, 4.674, 96.630

 9, 4.674, 96.630

99, 4.674, 96.630

99, 4.674, 96.630

97, 14.782, 95.899

100, 0.012,
296.813

95, 24.994, 94.661

93, 35.252, 93.386

91, 45.455, 92.080

89, 55.414, 90.745

87, 64.799, 89.373

86, 73.059, 87.939

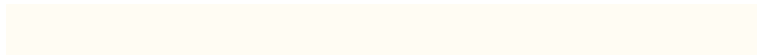
84, 79.398, 86.385

82, 82.971, 84.611

Harmonies

Complementary

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



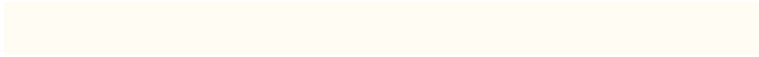
99, 4.674, 96.630



97, 4.703, 278.271

Rectangle

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



99, 4.674, 96.630



99, 4.674, 146.630



99, 4.674, 276.630



99, 4.674, 326.630

Sweetspot

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



99, 4.668, 97.071



100, 0.989, 97.327



97, 4.494, 359.822



53, 0.562, 97.321



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, 4.668, 97.071



99, 6.009, 96.923



99, 6.129, 119.626



53, 3.988, 96.849



63, 67.653, 83.954



21, 29.575, 86.364

Inverse Universe

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



97, 4.703, 278.271



96, 6.053, 278.428



96, 6.206, 300.200



51, 4.018, 278.508



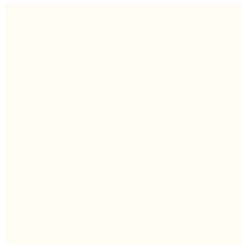
29, 89.786, 300.940



7, 35.931, 296.141

Previews

White Background



This preview shows how the CIE LCh color 99, 4.674, 96.630 looks on a white background.

Color Contrast Check

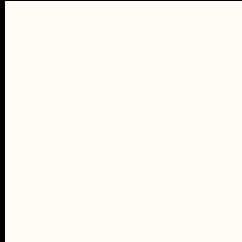
Large Text (above 18pt) WCAG AA × Fail

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, 4.674, 96.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

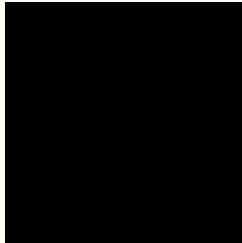
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 4.674, 96.630

Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.674, 96.630.



This preview shows how white text looks on a background with the CIELCh color 99, 4.674, 96.630.

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
99, 4.674, 96.630

Protanopia
99, 2.272, 82.227

Deuteranopia
99, 1.406, 19.030

Tritanopia
99, 2.171, 309.072

Trichromacy



Original Color

99, 4.674, 96.630

Protanomaly

99, 3.207, 90.598

Deuteranomaly

99, 2.059, 66.765

Tritanomaly

99, 1.054, 18.852

Monochromacy



Original Color

99, 4.674, 96.630



Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.550, 96.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 4.674, 96.630 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 4.674, 96.630 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, 243) }
```

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

```
.border{ border-color:rgb(255, 252, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 4.674, 96.630 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
252, 243) }
```

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