

# Converting Colors

CIELCh(99, 5.001, 98.786)

Have a look what the booklet for  
CIELCh(99, 5.001, 98.786) contains.

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# **Color**

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

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
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

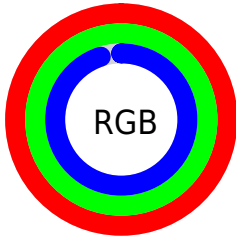
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 243
Decimal	16776435
CIE Lab	99.00, -0.54, 4.64
CIE LCh	99, 4.674, 96.630
Yxy	97.4360, 0.3199, 0.3377
Android (android.graphics.Color)	4294966515 (0xFFFFFCF3)
YUV	251.8710, -4.3734, 2.7441
Hunter-Lab	98.7097, -5.8186, 9.7454

# 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.

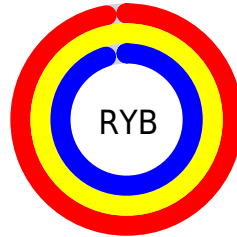
# Distribution



Red (100%)

Green (99%)

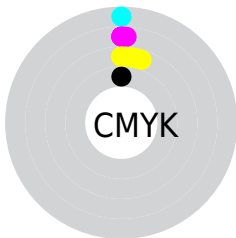
Blue (95%)



Red (97%)

Yellow (100%)

Blue (95%)

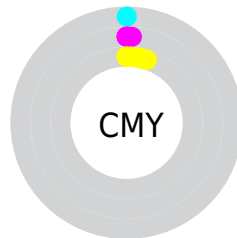


Cyan (0%)

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.



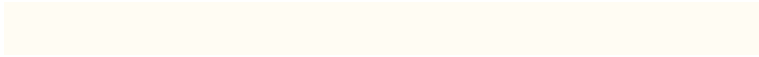
99, 4.674, 96.630



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



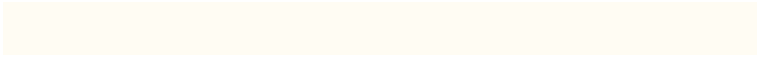
99, 4.674, 276.630



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

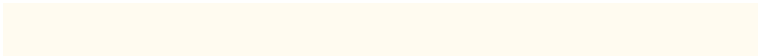


# Same Dimension

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

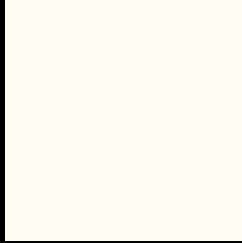
Large Text (above 18pt) WCAG AA × Fail

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

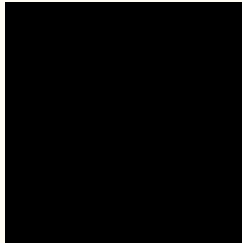
Large Text (above 18pt) WCAG AAA ✓ Pass

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](#).

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