

# Converting Colors

CIE LCh(100, 5.566, 83.202)

Have a look what the booklet for  
CIELCh(100, 5.566, 83.202) contains.

<b>CIELCh(99, 5.072, 105.771)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(99, 5.072, 105.771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFDF3
RGB	254, 253, 243
RGB Percent	100%, 99%, 95%
CMY	0.0055, 0.0094, 0.0486
CMYK	0.00, 0.00, 0.04, 0.01
HSL	55°, 80%, 97%
HSV	55°, 4%, 99%
XYZ	91.8395, 97.4360, 98.4474
YIQ	252.1590, 3.8060, -2.8980

# Conversions

## Conversions Part 2

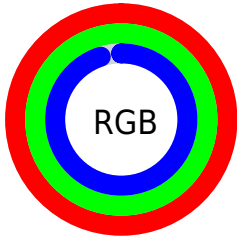
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 254, 243
Decimal	16711155
CIE Lab	99.00, -1.38, 4.88
CIE LCh	99, 5.072, 105.771
Yxy	97.4360, 0.3192, 0.3386
Android (android.graphics.Color)	4294901235 (0xFFFEFDF3)
YUV	252.1590, -4.5154, 1.6146
Hunter-Lab	98.7097, -6.6655, 9.9643

# Details

The CIELCh color 99, 5.072, 105.771 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 5.133, 286.748, 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, 4.796, 105.261 is the 20% darker color. If you saturate the color by 10%, you get 98, 16.814, 104.754, and if you desaturate by 10%, it is 100, 0.455, 207.631.

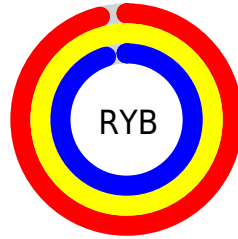
# Distribution



Red (100%)

Green (99%)

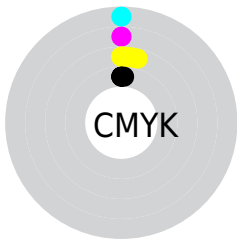
Blue (95%)



Red (96%)

Yellow (100%)

Blue (95%)

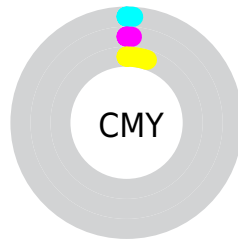


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (1%)



Cyan (1%)

Magenta (1%)

Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.072, 105.771 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, 5.072, 105.771 by changing the saturation by 10% instead.



 99, 5.072, 105.771

 99, 5.072, 105.771

 100, 5.072,  
105.771

 89, 5.072, 105.771

 79, 5.072, 105.771

 69, 5.072, 105.771

 59, 5.072, 105.771

 49, 5.072, 105.771

 39, 5.072, 105.771

 29, 5.072, 105.771

 19, 5.072, 105.771

 9, 5.072, 105.771

99, 5.072, 105.771

99, 5.072, 105.771

98, 16.814,  
104.754

100, 0.455,  
207.631

97, 28.510,  
103.684

100, 0.488,  
200.731

96, 40.069,  
102.606

95, 51.339,  
101.535

94, 62.071,  
100.492

93, 71.871, 99.496

92, 80.168, 98.571

92, 86.260, 97.732

91, 89.569, 96.978



# Harmonies

# Complementary

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



99, 5.072, 105.771



96, 5.133, 286.748

# Rectangle

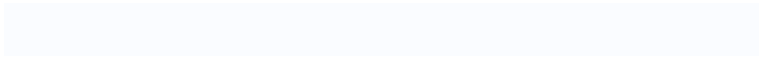
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 5.072, 105.771



99, 5.072, 155.771



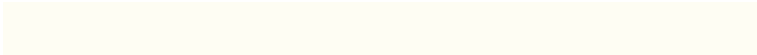
99, 5.072, 285.771



99, 5.072, 335.771

# Sweetspot

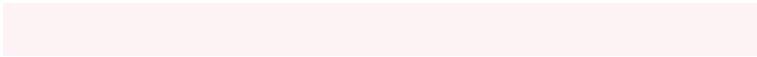
The Sweet Spot groups the original color and five complimentary colors.



99, 5.074, 105.791



100, 1.167, 106.056



97, 3.945, 11.338



53, 0.663, 106.056



0, 0.000, 0.000



53, 0.007, 296.813



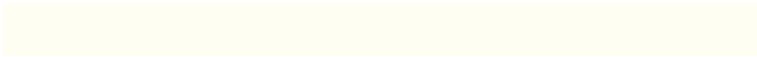


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 5.074, 105.791



99, 5.883, 105.725



99, 5.800, 125.307



53, 4.015, 105.654



70, 73.193, 96.691



24, 33.095, 97.675



# Inverse Universe

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



96, 5.133, 286.748



96, 5.956, 286.819



96, 5.862, 305.699



51, 4.067, 286.895



24, 103.478, 305.157

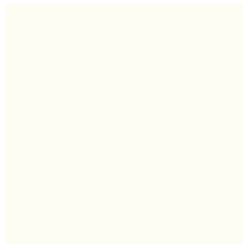


4, 41.253, 300.148



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.072, 105.771 looks on a white background.

## Color Contrast Check

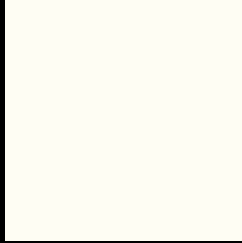
Large Text (above 18pt) WCAG AA × Fail

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, 5.072, 105.771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

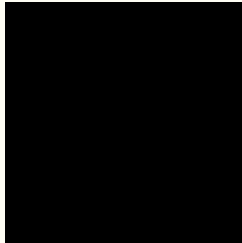
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 5.072, 105.771**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 5.072, 105.771.



This preview shows how white text looks on a background with the CIELCh color 99, 5.072, 105.771.

# 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, 5.075, 105.769

**Protanopia**  
99, 2.272, 82.227

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



**Original Color**

99, 5.075, 105.769

**Protanomaly**

99, 3.112, 96.790

**Deuteranomaly**

99, 2.134, 90.698

**Tritanomaly**

99, 1.061, 90.708

# Monochromacy



**Original Color**

99, 5.075, 105.769



**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, 5.072, 105.771 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(254, 253, 243)` looks like.

```
.text, #text, p{  
    color:rgb(254, 253, 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(254, 253, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 253, 243) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.072, 105.771 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(254, 253, 243) }
```

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

```
.border{ border-color:rgb(254, 253, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 253, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 253, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 253, 243);  
box-shadow:4px 4px 4px 4px rgb(254, 253,  
243) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.072, 105.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 253, 243) }
```

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

```
.background{ background-color: rgb(254,  
253, 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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