

# Converting Colors

CIELCh(99, 6.261, 107.778)

Have a look what the booklet for  
CIELCh(99, 6.261, 107.778) contains.

|  |    |
|--|----|
| <b>CIELCh(99, 6.590, 109.670)</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, 6.590, 109.670)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FD FDF0                   |
| RGB         | 253, 253, 240             |
| RGB Percent | 99%, 99%, 94%             |
| CMY         | 0.0078, 0.0078, 0.0588    |
| CMYK        | 0.00, 0.00, 0.05, 0.01    |
| HSL         | 60°, 77%, 97%             |
| HSV         | 60°, 5%, 99%              |
| XYZ         | 91.3723, 97.4360, 96.4387 |
| YIQ         | 251.5180, 4.1730, -4.0430 |

# Conversions

## Conversions Part 2

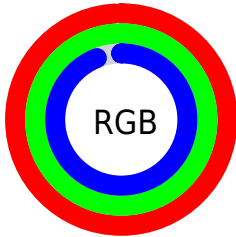
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 240, 253, 240                |
| Decimal                             | 16645616                     |
| CIE Lab                             | 99.00, -2.22, 6.21           |
| CIE LCh                             | 99, 6.590, 109.670           |
| Yxy                                 | 97.4360, 0.3203,<br>0.3416   |
| Android<br>(android.graphics.Color) | 4294835696<br>(0xFFFFDFDF0)  |
| YUV                                 | 251.5180, -5.6784,<br>1.2997 |
| Hunter-Lab                          | 98.7097, -7.5104,<br>11.1708 |

# Details

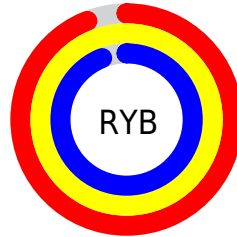
The CIELCh color 99, 6.590, 109.670 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 6.687, 290.718, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.383, 109.586 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.393, 108.716, and if you desaturate by 10%, it is 99, 1.018, 290.414.

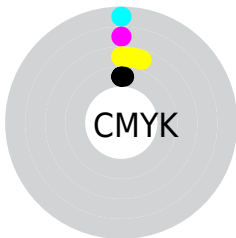
# Distribution



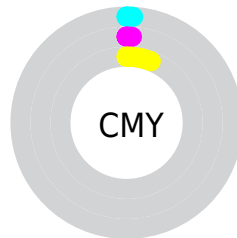
- Red (99%)
- Green (99%)
- Blue (94%)



- Red (94%)
- Yellow (99%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)



- Cyan (1%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 6.590, 109.670 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, 6.590, 109.670 by changing the saturation by 10% instead.



 99, 6.590, 109.670

 99, 6.590, 109.670

 100, 6.590,  
109.670

 89, 6.590, 109.670

 79, 6.590, 109.670

 69, 6.590, 109.670

 59, 6.590, 109.670

 49, 6.590, 109.670

 39, 6.590, 109.670

 29, 6.590, 109.670

 19, 6.590, 109.670

 9, 6.590, 109.670

99, 6.590, 109.670

99, 6.590, 109.670

98, 19.393,  
108.716

99, 1.018, 290.414

99, 1.018, 290.590

98, 32.064,  
107.739

99, 1.018, 290.766

98, 44.484,  
106.774

99, 1.018, 290.942

97, 56.466,  
105.847

99, 1.018, 291.118

99, 1.018, 291.293

97, 67.718,  
104.984

99, 1.018, 291.469


97, 77.812,  
104.223

99, 1.019, 291.645

99, 1.019, 291.821

97, 86.175,  
103.605

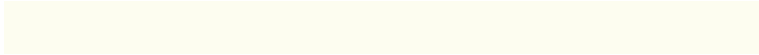
97, 92.193,  
103.169

 96, 95.488,  
102.934

# Harmonies

# Complementary

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



99, 6.590, 109.670



95, 6.687, 290.718

# Rectangle

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



99, 6.590, 109.670



99, 6.590, 159.670



99, 6.590, 289.670



99, 6.590, 339.670

# Sweetspot

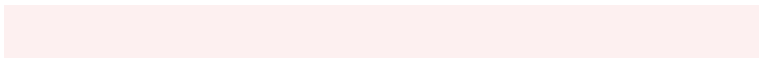
The Sweet Spot groups the original color and five complimentary colors.



99, 6.592, 109.685



100, 2.575, 109.970



96, 4.639, 19.580



53, 1.464, 109.978



0, 0.000, 0.000



53, 0.007, 296.813



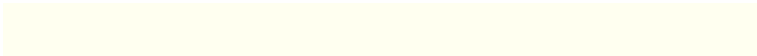


# Same Dimension

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



99, 6.592, 109.685



100, 7.745, 109.603



99, 7.015, 128.863



53, 5.137, 109.540



75, 78.056, 102.874



26, 35.525, 103.013



# Inverse Universe

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



95, 6.687, 290.718



95, 7.867, 290.807



96, 7.083, 309.276



50, 5.224, 290.876



23, 107.779, 306.288

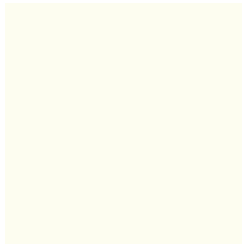


3, 44.128, 301.766



# Previews

## White Background



This preview shows how the CIE LCh color 99, 6.590, 109.670 looks on a white background.

## Color Contrast Check

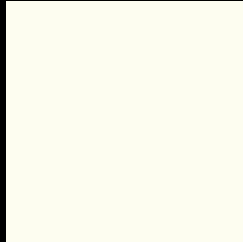
Large Text (above 18pt) WCAG AA × Fail

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, 6.590, 109.670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

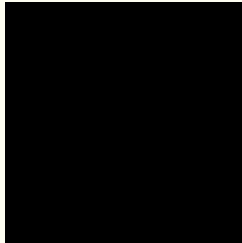
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 6.590, 109.670

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.590, 109.670.



This preview shows how white text looks on a background with the CIELCh color 99, 6.590, 109.670.


# 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, 6.590, 109.670



**Protanopia**  
99, 2.732, 87.135

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



**Original Color**

99, 6.590, 109.670

**Protanomaly**

99, 4.108, 99.912

**Deuteranomaly**

99, 2.619, 94.320

**Tritanomaly**

99, 1.061, 90.708

# Monochromacy



**Original Color**

99, 6.590, 109.670



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.022, 109.988

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 6.590, 109.670 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(253, 253, 240)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 240)  
}
```

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(253, 253, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.590, 109.670 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(253, 253, 240) }
```

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

```
.border{ border-color:rgb(253, 253, 240) }
```

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

Here you see how a box with a 4 pixel rgb(253, 253, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 240);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.590, 109.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 240) }
```

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

```
.background{ background-color: rgb(253,  
253, 240) }
```

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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