

# Converting Colors

CIELCh(100, 8.022, 123.711)

Have a look what the booklet for  
CIELCh(100, 8.022, 123.711)  
contains.

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# **Color**

**CIELCh(99, 6.679, 118.852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBFEF1
RGB	251, 254, 241
RGB Percent	98%, 100%, 95%
CMY	0.0170, 0.0053, 0.0562
CMYK	0.01, 0.00, 0.05, 0.01
HSL	74°, 83%, 97%
HSV	74°, 5%, 99%
XYZ	90.8153, 97.4360, 96.9752
YIQ	251.6210, 2.3850, -4.6790

# Conversions

## Conversions Part 2

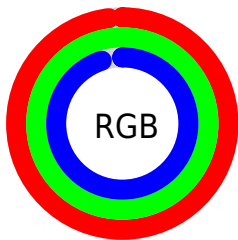
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 254, 244
Decimal	16514801
CIE Lab	99.00, -3.22, 5.85
CIE LCh	99, 6.679, 118.852
Yxy	97.4360, 0.3184, 0.3416
Android (android.graphics.Color)	4294704881 (0xFFFFBFEF1)
YUV	251.6210, -5.2362, -0.5446
Hunter-Lab	98.7097, -8.5176, 10.8486

# Details

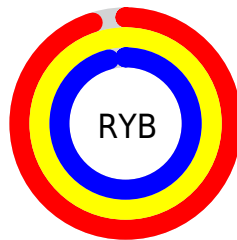
The CIELCh color 99, 6.679, 118.852 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 6.770, 299.520, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.489, 119.541 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.719, 118.205, and if you desaturate by 10%, it is 100, 0.844, 324.105.

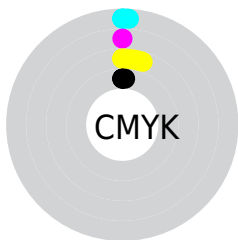
# Distribution



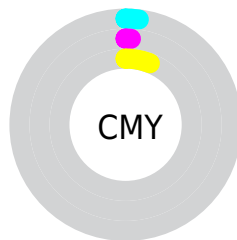
- Red (98%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (96%)



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



- Cyan (2%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 6.679, 118.852 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, 6.679, 118.852 by changing the saturation by 10% instead.



 99, 6.679, 118.852

 99, 6.679, 118.852

 100, 6.679,  
118.852

 89, 6.679, 118.852

 79, 6.679, 118.852

 69, 6.679, 118.852

 59, 6.679, 118.852

 49, 6.679, 118.852

 39, 6.679, 118.852

 29, 6.679, 118.852

 19, 6.679, 118.852

 9, 6.679, 118.852

99, 6.679, 118.852

99, 6.679, 118.852

98, 19.719,  
118.205

100, 0.844,  
324.105

97, 32.642,  
117.540

96, 45.330,  
116.888

96, 57.596,  
116.280

95, 69.161,  
115.761

94, 79.616,  
115.398

94, 88.408,  
115.282

93, 94.931,  
115.515

■ 93, 98.797,  
116.177

# Harmonies

# Complementary

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



99, 6.679, 118.852



96, 6.770, 299.520

# Rectangle

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



99, 6.679, 118.852



99, 6.679, 168.852



99, 6.679, 298.852



99, 6.679, 348.852

# Sweetspot

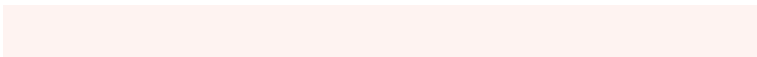
The Sweet Spot groups the original color and five complimentary colors.



99, 6.681, 118.863



100, 2.614, 119.070



97, 3.888, 41.117



53, 1.486, 119.077



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, 6.681, 118.863



99, 7.863, 118.805



99, 7.405, 136.071



53, 5.216, 118.763



72, 80.740, 116.411



25, 36.399, 115.269



# Inverse Universe

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



96, 6.770, 299.520



95, 7.977, 299.581



96, 7.451, 316.445



50, 5.297, 299.627



25, 105.751, 307.524

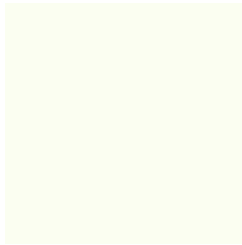


4, 44.620, 306.177



# Previews

## White Background



This preview shows how the CIE LCh color 99, 6.679, 118.852 looks on a white background.

## Color Contrast Check

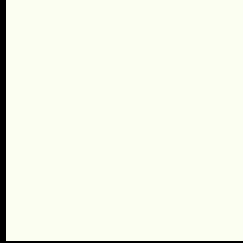
Large Text (above 18pt) WCAG AA × Fail

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, 6.679, 118.852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

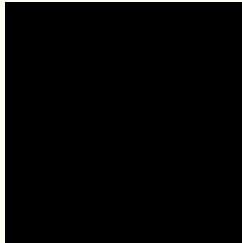
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 6.679, 118.852

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.679, 118.852.



This preview shows how white text looks on a background with the CIELCh color 99, 6.679, 118.852.

# 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 three vertical bars of different colors: a light yellow-green bar at the top, a light orange bar in the middle, and a light pink bar at the bottom. These bars represent the original color and its simulation for different types of dichromacy.

### Original Color

99, 6.684, 118.851

### Protanopia

99, 2.732, 87.135

### Deuteranopia

99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



**Original Color**

99, 6.684, 118.851

**Protanomaly**

99, 4.052, 109.855

**Deuteranomaly**

99, 2.551, 102.009

**Tritanomaly**

99, 1.557, 123.031

# Monochromacy



**Original Color**

99, 6.684, 118.851



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.559, 117.865

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 6.679, 118.852 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(251, 254, 241)` looks like.

```
.text, #text, p{  
    color:rgb(251, 254, 241)  
}
```

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(251, 254, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 254, 241) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.679, 118.852 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(251, 254, 241) }
```

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

```
.border{ border-color:rgb(251, 254, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 254, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 254, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 254, 241);  
box-shadow:4px 4px 4px 4px rgb(251, 254,  
241) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.679, 118.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 254, 241) }
```

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

```
.background{ background-color: rgb(251,  
254, 241) }
```

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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