

# Converting Colors

CIELCh(100, 8.886, 129.226)

Have a look what the booklet for  
CIELCh(100, 8.886, 129.226)  
contains.

<b>CIELCh(99, 7.428, 126.291)</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, 7.428, 126.291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F8FEF0
RGB	248, 254, 240
RGB Percent	97%, 100%, 94%
CMY	0.0261, 0.0025, 0.0574
CMYK	0.02, 0.00, 0.06, 0.00
HSL	86°, 92%, 97%
HSV	86°, 6%, 100%
XYZ	90.1676, 97.4360, 96.7680
YIQ	250.6100, 0.9180, -5.6260

# Conversions

## Conversions Part 2

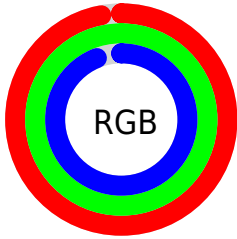
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 254, 246
Decimal	16318192
CIE Lab	99.00, -4.40, 5.99
CIE LCh	99, 7.428, 126.291
Yxy	97.4360, 0.3171, 0.3426
Android (android.graphics.Color)	4294508272 (0xFF8FEF0)
YUV	250.6100, -5.2307, -2.2890
Hunter-Lab	98.7097, -9.6889, 10.9731

# Details

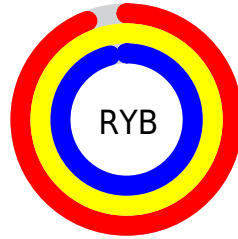
The CIELCh color 99, 7.428, 126.291 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 7.513, 306.792, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 7.182, 124.625 is the 20% darker color. If you saturate the color by 10%, you get 98, 20.964, 125.796, and if you desaturate by 10%, it is 100, 0.412, 323.704.

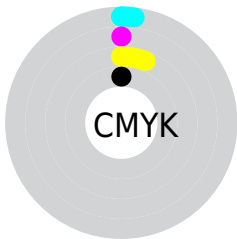
# Distribution



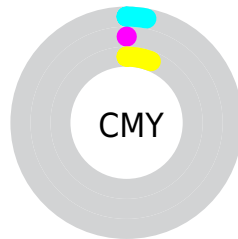
- Red (97%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 7.428, 126.291 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, 7.428, 126.291 by changing the saturation by 10% instead.



 99, 7.428, 126.291

 99, 7.428, 126.291

 100, 7.428,  
126.291

 89, 7.428, 126.291

 79, 7.428, 126.291

 69, 7.428, 126.291

 59, 7.428, 126.291

 49, 7.428, 126.291

 39, 7.428, 126.291

 29, 7.428, 126.291

 19, 7.428, 126.291

 9, 7.428, 126.291

99, 7.428, 126.291

99, 7.428, 126.291

98, 20.964,  
125.796

100, 0.412,  
323.704

96, 34.430,  
125.284

95, 47.696,  
124.777

94, 60.568,  
124.307

93, 72.763,  
123.926

93, 83.870,  
123.716

92, 93.342,  
123.787

91, 100.580,  
124.270

■ 91, 105.209,  
125.258

# Harmonies

# Complementary

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



99, 7.428, 126.291



96, 7.513, 306.792

# Rectangle

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



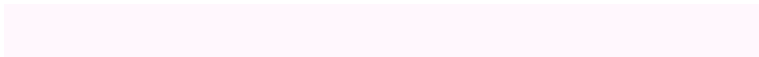
99, 7.428, 126.291



99, 7.428, 176.291



99, 7.428, 306.291



99, 7.428, 356.291

# Sweetspot

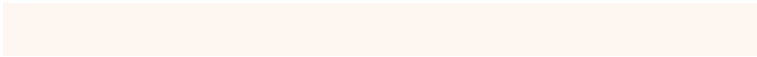
The Sweet Spot groups the original color and five complimentary colors.



99, 7.430, 126.298



100, 2.697, 126.491



97, 4.139, 65.185



53, 1.533, 126.498



0, 0.000, 0.000



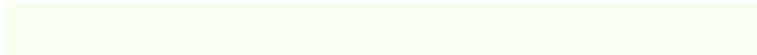
53, 0.007, 296.813





# Same Dimension

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



99, 7.430, 126.298



99, 9.476, 126.223



99, 8.475, 141.930



53, 6.158, 126.192



70, 85.861, 125.530



24, 38.296, 123.962



# Inverse Universe

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



96, 7.513, 306.792



95, 9.596, 306.870



96, 8.504, 322.421



50, 6.241, 306.902



28, 102.068, 310.374

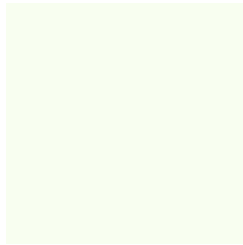


5, 44.916, 310.949



# Previews

## White Background



This preview shows how the CIE LCh color 99, 7.428, 126.291 looks on a white background.

## Color Contrast Check

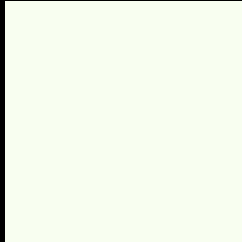
Large Text (above 18pt) WCAG AA × Fail

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, 7.428, 126.291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

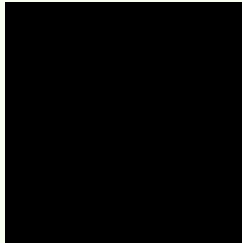
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

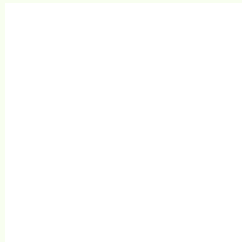
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 99, 7.428, 126.291

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 7.428, 126.291.



This preview shows how white text looks on a background with the CIELCh color 99, 7.428, 126.291.

# 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, 7.434, 126.290



**Protanopia**  
99, 2.732, 87.135

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 7.434, 126.290

**Protanomaly**

99, 4.052, 109.855

**Deuteranomaly**

99, 2.551, 102.009

**Tritanomaly**

99, 1.675, 134.743

# Monochromacy



**Original Color**

99, 7.434, 126.290

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.635, 125.443

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 7.428, 126.291 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(248, 254, 240)` looks like.

```
.text, #text, p{  
    color:rgb(248, 254, 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(248, 254, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 254, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 7.428, 126.291 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(248, 254, 240) }
```

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

```
.border{ border-color:rgb(248, 254, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 254, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 254, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 254, 240); box-shadow:4px 4px 4px 4px rgb(248, 254, 240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 7.428, 126.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 254, 240) }
```

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

```
.background{ background-color: rgb(248,  
254, 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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