

# Converting Colors

CIELCh(99, 5.623, 129.599)

Have a look what the booklet for  
CIELCh(99, 5.623, 129.599) contains.

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# **Color**

**CIELCh(99, 5.386, 128.923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FEF4
RGB	249, 254, 244
RGB Percent	98%, 100%, 96%
CMY	0.0241, 0.0044, 0.0437
CMYK	0.02, 0.00, 0.04, 0.00
HSL	90°, 82%, 98%
HSV	90°, 4%, 100%
XYZ	90.7263, 97.4360, 99.5062
YIQ	251.3650, 0.2300, -4.1700

# Conversions

## Conversions Part 2

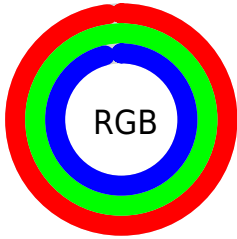
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 254, 249
Decimal	16383732
CIE <sub>Lab</sub>	99.00, -3.38, 4.19
CIE <sub>LCh</sub>	99, 5.386, 128.923
Yxy	97.4360, 0.3154, 0.3387
Android (android.graphics.Color)	4294573812 (0xFFFF9FEF4)
YUV	251.3650, -3.6309, -2.0741
Hunter-Lab	98.7097, -8.6786, 9.3284

# Details

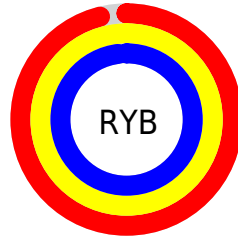
The CIELCh color 99, 5.386, 128.923 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.437, 309.225, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.026, 126.916 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.126, 128.453, and if you desaturate by 10%, it is 100, 0.710, 324.031.

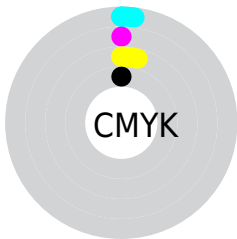
# Distribution



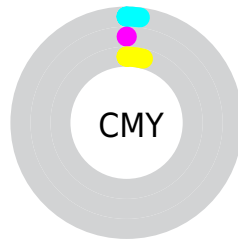
- Red (98%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (98%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.386, 128.923 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, 5.386, 128.923 by changing the saturation by 10% instead.



 99, 5.386, 128.923

 99, 5.386, 128.923

 100, 5.386,  
128.923

 89, 5.386, 128.923

 79, 5.386, 128.923

 69, 5.386, 128.923

 59, 5.386, 128.923

 49, 5.386, 128.923

 39, 5.386, 128.923

 29, 5.386, 128.923

 19, 5.386, 128.923

 9, 5.386, 128.923

99, 5.386, 128.923

99, 5.386, 128.923

98, 19.126,  
128.453

100, 0.710,  
324.031

96, 32.834,  
127.967

95, 46.382,  
127.474

94, 59.585,  
127.004

93, 72.167,  
126.604

92, 83.737,  
126.352

91, 93.765,  
126.358

90, 101.646,  
126.753

■ 90,106.936,  
127.644

# Harmonies

# Complementary

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



99, 5.386, 128.923



97, 5.437, 309.225

# Rectangle

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



99, 5.386, 128.923



99, 5.386, 178.923



99, 5.386, 308.923



99, 5.386, 358.923

# Sweetspot

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



99, 5.389, 128.931



100, 1.363, 129.138



98, 3.081, 74.797



53, 0.774, 129.146



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, 5.389, 128.931



99, 6.867, 128.879



99, 6.214, 144.268



53, 4.687, 128.844



69, 87.907, 128.092



23, 39.107, 126.542



# Inverse Universe

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



97, 5.437, 309.225



96, 6.933, 309.278



97, 6.235, 324.610



51, 4.734, 309.313



30, 100.527, 311.876



6, 44.900, 312.884



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.386, 128.923 looks on a white background.

## Color Contrast Check

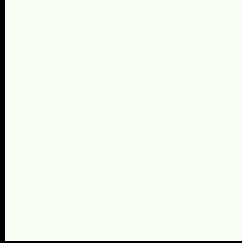
Large Text (above 18pt) WCAG AA × Fail

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, 5.386, 128.923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

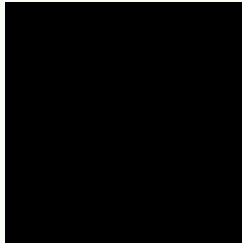
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 5.386, 128.923

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.386, 128.923.

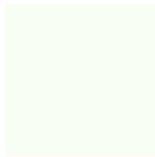


This preview shows how white text looks on a background with the CIELCh color 99, 5.386, 128.923.

# 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, 5.386, 128.923



**Protanopia**  
99, 2.272, 82.227

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 5.386, 128.923

**Protanomaly**

99, 3.544, 109.890

**Deuteranomaly**

99, 2.048, 100.089

**Tritanomaly**

99, 1.232, 144.648

# Monochromacy



**Original Color**

99, 5.386, 128.923

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.149, 129.065

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.386, 128.923 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(249, 254, 244)` looks like.

```
.text, #text, p{  
    color:rgb(249, 254, 244)  
}
```

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(249, 254, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 254, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.386, 128.923 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(249, 254, 244) }
```

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

```
.border{ border-color:rgb(249, 254, 244) }
```

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

Here you see how a box with a 4 pixel rgb(249, 254, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 254, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 254, 244);  
box-shadow:4px 4px 4px 4px rgb(249, 254,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.386, 128.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 254, 244) }
```

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

```
.background{ background-color: rgb(249,  
254, 244) }
```

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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