

# Converting Colors

CIELCh(100, 7.826, 126.675)

Have a look what the booklet for  
CIELCh(100, 7.826, 126.675)  
contains.

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# **Color**

**CIELCh(99, 6.255, 122.806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFEF2
RGB	250, 254, 242
RGB Percent	98%, 100%, 95%
CMY	0.0204, 0.0047, 0.0518
CMYK	0.02, 0.00, 0.05, 0.00
HSL	80°, 83%, 97%
HSV	80°, 5%, 100%
XYZ	90.7235, 97.4360, 97.8739
YIQ	251.4360, 1.4680, -4.5800

# Conversions

## Conversions Part 2

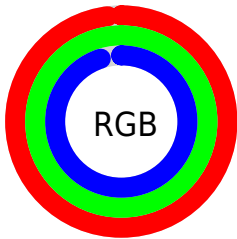
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 254, 246
Decimal	16449266
CIE <sub>Lab</sub>	99.00, -3.39, 5.26
CIE <sub>LCh</sub>	99, 6.255, 122.806
Yxy	97.4360, 0.3172, 0.3406
Android (android.graphics.Color)	4294639346 (0xFFFAFEF2)
YUV	251.4360, -4.6519, -1.2594
Hunter-Lab	98.7097, -8.6836, 10.3088

# Details

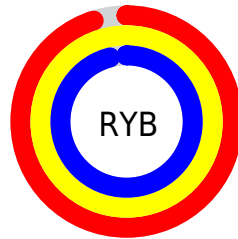
The CIELCh color 99, 6.255, 122.806 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 6.331, 303.307, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.966, 120.451 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.514, 122.253, and if you desaturate by 10%, it is 100, 0.756, 324.059.

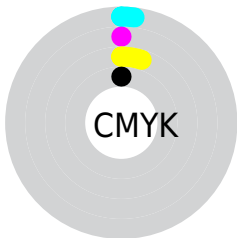
# Distribution



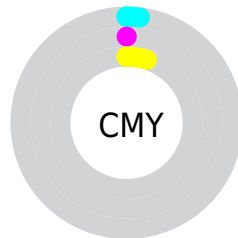
- Red (98%)
- Green (100%)
- Blue (95%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 6.255, 122.806 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, 6.255, 122.806 by changing the saturation by 10% instead.



 99, 6.255, 122.806

 99, 6.255, 122.806

 100, 6.255,  
122.806

 89, 6.255, 122.806

 79, 6.255, 122.806

 69, 6.255, 122.806

 59, 6.255, 122.806

 49, 6.255, 122.806

 39, 6.255, 122.806

 29, 6.255, 122.806

 19, 6.255, 122.806

 9, 6.255, 122.806

99, 6.255, 122.806

99, 6.255, 122.806

98, 19.514,  
122.253

100, 0.756,  
324.059

97, 32.684,  
121.684

96, 45.645,  
121.124

95, 58.213,  
120.604

94, 70.116,  
120.173

93, 80.953,  
119.906

93, 90.187,  
119.905

92, 97.214,  
120.289

■ 92, 101.633,  
121.154

# Harmonies

# Complementary

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



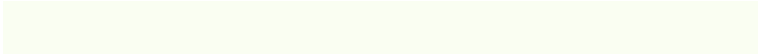
99, 6.255, 122.806



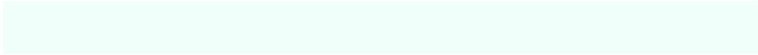
96, 6.331, 303.307

# Rectangle

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



99, 6.255, 122.806



99, 6.255, 172.806



99, 6.255, 302.806



99, 6.255, 352.806

# Sweetspot

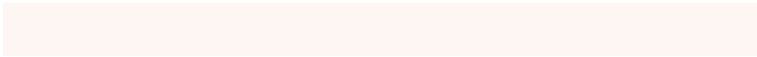
The Sweet Spot groups the original color and five complimentary colors.



99, 6.257, 122.816



100, 1.320, 123.060



97, 3.480, 55.153



53, 0.750, 123.066



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, 6.257, 122.816



99, 7.979, 122.744



99, 7.073, 139.615



53, 5.293, 122.707



71, 83.214, 121.500



24, 37.293, 120.048



# Inverse Universe

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



96, 6.331, 303.307



95, 8.084, 303.383



96, 7.106, 319.978



50, 5.367, 303.421



26, 104.002, 308.767



5, 44.811, 308.513



# Previews

## White Background



This preview shows how the CIE LCh color 99, 6.255, 122.806 looks on a white background.

## Color Contrast Check

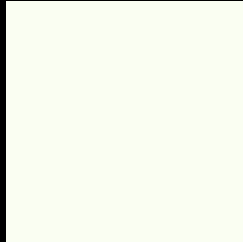
Large Text (above 18pt) WCAG AA × Fail

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, 6.255, 122.806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

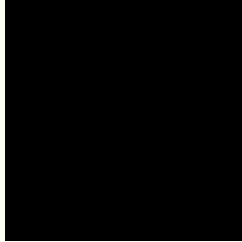
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 6.255, 122.806

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.255, 122.806.



This preview shows how white text looks on a background with the CIELCh color 99, 6.255, 122.806.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

99, 6.260, 122.805

### Protanopia

99, 2.732, 87.135

### Deuteranopia

99, 1.406, 19.030



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 6.260, 122.805

**Protanomaly**

99, 4.052, 109.855

**Deuteranomaly**

99, 2.048, 100.089

**Tritanomaly**

99, 1.675, 134.743

# Monochromacy



**Original Color**

99, 6.260, 122.805

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.057, 119.829

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 6.255, 122.806 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(250, 254, 242)` looks like.

```
.text, #text, p{  
    color:rgb(250, 254, 242)  
}
```

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(250, 254, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 254, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.255, 122.806 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(250, 254, 242) }
```

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

```
.border{ border-color:rgb(250, 254, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 254, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 254, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 254, 242);  
box-shadow:4px 4px 4px 4px rgb(250, 254,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.255, 122.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 254, 242) }
```

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

```
.background{ background-color: rgb(250,  
254, 242) }
```

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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