

# Converting Colors

CIELCh(99, 14.999, 109.044)

Have a look what the booklet for  
CIELCh(99, 14.999, 109.044)  
contains.

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# **Color**

**CIElCh(99, 15.189, 109.026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFEE0
RGB	254, 254, 224
RGB Percent	100%, 100%, 88%
CMY	0.0035, 0.0035, 0.1211
CMYK	0.00, 0.00, 0.12, 0.00
HSL	60°, 94%, 94%
HSV	60°, 12%, 100%
XYZ	89.8623, 97.4360, 84.6707
YIQ	250.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

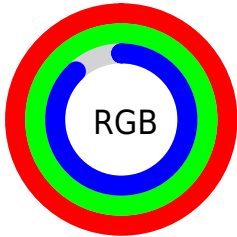
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 254, 224
Decimal	16711392
CIELab	99.00, -4.95, 14.36
CIELCh	99, 15.189, 109.026
Yxy	97.4360, 0.3304, 0.3583
Android (android.graphics.Color)	4294901472 (0xFFFEFEE0)
YUV	250.5800, -13.1039, 2.9993
Hunter-Lab	98.7097, -10.2409, 18.2393

# Details

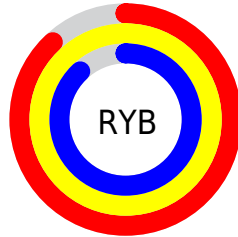
The CIELCh color **99, 15.189, 109.026** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **90, 15.612, 291.443**, and the grayscale version is **99, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 14.863, 108.812** is the 20% darker color. If you saturate the color by 10%, you get **98, 27.961, 108.055**, and if you desaturate by 10%, it is **100, 2.321, 109.977**.

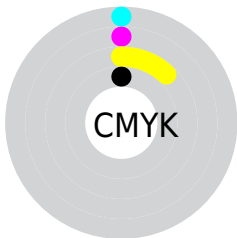
# Distribution



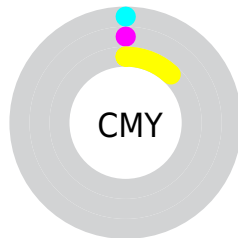
- Red (100%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 15.189, 109.026 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, 15.189, 109.026 by changing the saturation by 10% instead.





 99, 15.189,  
109.026


 99, 15.189,  
109.026


 100, 15.189,  
109.026


 89, 15.189,  
109.026

 79, 15.189,  
109.026

 69, 15.189,  
109.026

 59, 15.189,  
109.026

 49, 15.189,  
109.026

 39, 15.189,  
109.026

 29, 15.189,

109.026

■ 19, 15.189,  
109.026

■ 9, 15.189, 109.026

■ 99, 15.189,  
109.026

■ 99, 15.189,  
109.026

■ 98, 27.961,  
108.055

■ 100, 2.321,  
109.977

■ 98, 40.526,  
107.083

■ 100, 0.458,  
290.526

■ 98, 52.723,  
106.140

■ 100, 0.458,  
290.704

■ 97, 64.298,  
105.252

■ 100, 0.458,  
290.882

■ 97, 74.870, 100, 0.458,  
104.452 291.061

■ 97, 83.909, 100, 0.458,  
103.781 291.239

■ 97, 90.790, 100, 0.459,  
103.281 291.418

■ 97, 95.012, 100, 0.459,  
102.978 291.596

■ 97, 96.657, 100, 0.459,  
102.862 291.774

# Harmonies

# Complementary

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



99, 15.189, 109.026



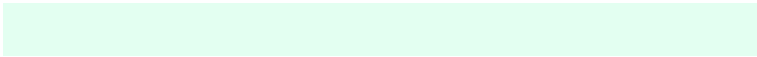
90, 15.612, 291.443

# Rectangle

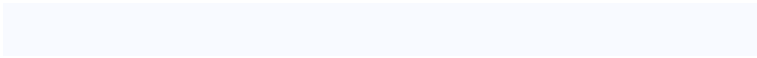
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 15.189, 109.026



99, 15.189, 159.026



99, 15.189, 289.026



99, 15.189, 339.026

# Sweetspot

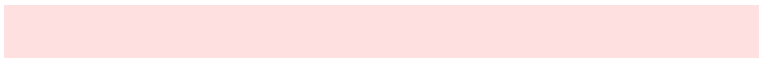
The Sweet Spot groups the original color and five complimentary colors.



99, 15.191, 109.033



100, 5.161, 109.784



92, 10.982, 20.129



53, 3.669, 109.713



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, 15.191, 109.033



99, 18.052, 108.819



98, 16.208, 128.546



53, 7.338, 109.257



75, 78.056, 102.862



26, 35.525, 103.002



# Inverse Universe

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



90, 15.612, 291.443



89, 18.644, 291.703



91, 16.479, 309.600



49, 7.504, 291.180



23, 107.780, 306.288

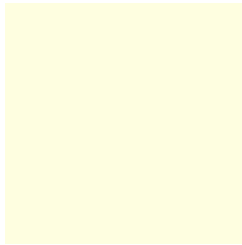


3, 44.127, 301.762



# Previews

## White Background



This preview shows how the CIE LCh color 99, 15.189, 109.026 looks on a white background.

## Color Contrast Check

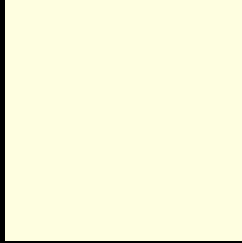
Large Text (above 18pt) WCAG AA × Fail

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, 15.189, 109.026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

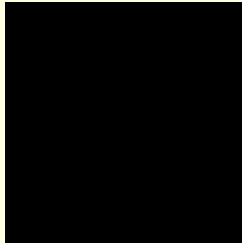
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 15.189, 109.026

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 15.189, 109.026.

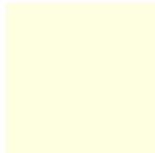


This preview shows how white text looks on a background with the CIELCh color 99, 15.189, 109.026.

# 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, 15.189, 109.026



**Protanopia**  
99, 3.691, 93.151

**Deuteranopia**  
99, 1.487, 38.999



**Tritanopia**  
99, 2.311, 317.261

# Trichromacy



**Original Color**  
99, 15.189, 109.026



**Protanomaly**  
99, 8.135, 104.498

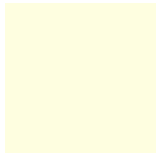


**Deuteranomaly**  
99, 5.669, 98.867

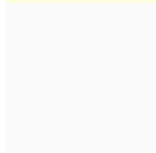


**Tritanomaly**  
99, 4.108, 99.912

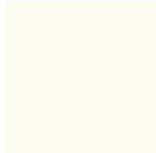
# Monochromacy



**Original Color**  
99, 15.189, 109.026



**Achromatopsia**  
99, 0.012, 296.813



**Achromatomaly**  
99, 5.579, 109.743

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 15.189, 109.026 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(254, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 224)  
}
```

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(254, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 224) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 15.189, 109.026 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(254, 254, 224) }
```

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

```
.border{ border-color:rgb(254, 254, 224) }
```

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

Here you see how a box with a 4 pixel rgb(254, 254, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
224) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 15.189, 109.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 224) }
```

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

```
.background{ background-color: rgb(254,  
254, 224) }
```

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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