

# Converting Colors

CIELCh(100, 13.732, 107.149)

Have a look what the booklet for  
CIELCh(100, 13.732, 107.149)  
contains.

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# **Color**

**CIElCh(99, 13.158, 109.183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFEE4
RGB	254, 254, 228
RGB Percent	100%, 100%, 89%
CMY	0.0045, 0.0044, 0.1063
CMYK	0.00, 0.00, 0.10, 0.00
HSL	60°, 92%, 94%
HSV	60°, 10%, 100%
XYZ	90.2078, 97.4360, 87.3669
YIQ	251.0360, 8.3460, -8.0860

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 254, 228
Decimal	16711396
CIE Lab	99.00, -4.32, 12.43
CIE LCh	99, 13.158, 109.183
Yxy	97.4360, 0.3280, 0.3543
Android (android.graphics.Color)	4294901476 (0xFFFEFEE4)
YUV	251.0360, -11.3567, 2.5994
Hunter-Lab	98.7097, -9.6162, 16.6198

# Details

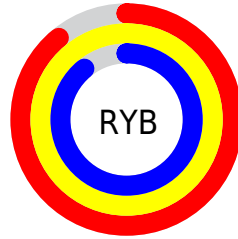
The CIELCh color **99, 13.158, 109.183** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 13.479, 291.266**, and the grayscale version is **99, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 12.746, 109.008** is the 20% darker color. If you saturate the color by 10%, you get **98, 25.941, 108.214**, and if you desaturate by 10%, it is **100, 0.291, 109.903**.

# Distribution



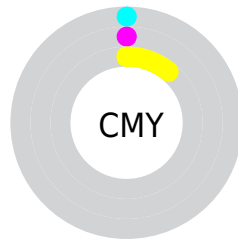
- Red (100%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 13.158, 109.183 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, 13.158, 109.183 by changing the saturation by 10% instead.





 99, 13.158,  
109.183


 99, 13.158,  
109.183


 100, 13.158,  
109.183


 89, 13.158,  
109.183

 79, 13.158,  
109.183

 69, 13.158,  
109.183

 59, 13.158,  
109.183

 49, 13.158,  
109.183

 39, 13.158,  
109.183

 29, 13.158,

109.183

■ 19, 13.158,  
109.183

■ 9, 13.158, 109.183

■ 99, 13.158,  
109.183

■ 99, 13.158,  
109.183

■ 98, 25.941,  
108.214

■ 100, 0.291,  
109.903

■ 98, 38.537,  
107.240

■ 100, 0.586,  
290.586

■ 98, 50.796,  
106.291

■ 100, 0.586,  
290.825

■ 97, 62.482,  
105.392

■ 100, 0.586,  
291.063

■ 97, 73.235, 100, 0.586,  
104.577 291.302

■ 97, 82.549, 100, 0.586,  
103.883 291.541

■ 97, 89.805, 100, 0.586,  
103.353 291.780

■ 97, 94.460, 100, 0.586,  
103.019 292.018

■ 97, 96.584, 100, 0.587,  
102.869 292.257

# Harmonies

# Complementary

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



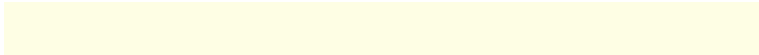
99, 13.158, 109.183



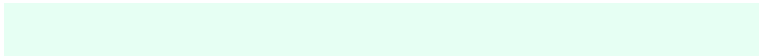
91, 13.479, 291.266

# Rectangle

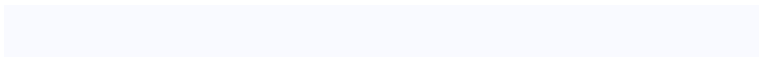
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



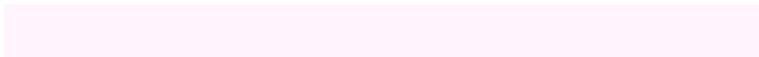
99, 13.158, 109.183



99, 13.158, 159.183



99, 13.158, 289.183



99, 13.158, 339.183

# Sweetspot

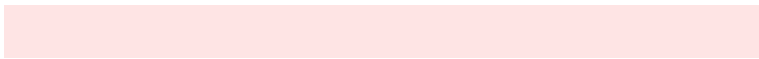
The Sweet Spot groups the original color and five complimentary colors.



99, 13.160, 109.191



100, 3.868, 109.880



93, 9.451, 20.002



53, 2.934, 109.807



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, 13.160, 109.191



99, 15.481, 109.019



98, 14.032, 128.621



53, 7.338, 109.262



75, 78.056, 102.869



26, 35.525, 103.009



# Inverse Universe

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



91, 13.479, 291.266



90, 15.916, 291.470



92, 14.240, 309.523



49, 7.504, 291.184



23, 107.780, 306.288

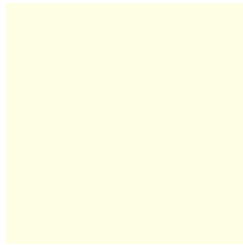


3, 44.128, 301.764



# Previews

## White Background



This preview shows how the CIE LCh color 99, 13.158, 109.183 looks on a white background.

## Color Contrast Check

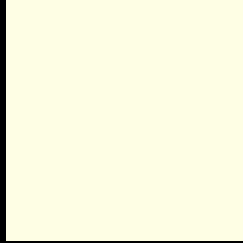
Large Text (above 18pt) WCAG AA × Fail

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, 13.158, 109.183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

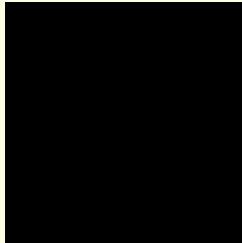
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 13.158, 109.183

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 13.158, 109.183.



This preview shows how white text looks on a background with the CIELCh color 99, 13.158, 109.183.

# 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, 13.167, 109.179



**Protanopia**  
99, 3.691, 93.151

**Deuteranopia**  
99, 1.487, 38.999



**Tritanopia**  
99, 2.171, 309.072

# Trichromacy



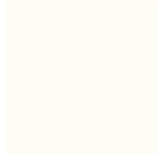
**Original Color**  
99, 13.167, 109.179



**Protanomaly**  
99, 7.125, 103.871



**Deuteranomaly**  
99, 5.171, 97.859

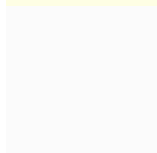


**Tritanomaly**  
99, 3.560, 104.186

# Monochromacy



**Original Color**  
99, 13.167, 109.179



**Achromatopsia**  
99, 0.012, 296.813



**Achromatomaly**  
99, 4.563, 109.817

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 13.158, 109.183 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 13.158, 109.183 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, 228) }
```

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

```
.border{ border-color:rgb(254, 254, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 13.158, 109.183 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, 228) }
```

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

```
.background{ background-color: rgb(254,  
254, 228) }
```

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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