

# Converting Colors

CIELCh(96, 3.352, 105.938)

Have a look what the booklet for  
CIELCh(96, 3.352, 105.938) contains.

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# Color

**CIELCh(96, 3.569, 109.881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F4ED
RGB	244, 244, 237
RGB Percent	96%, 96%, 93%
CMY	0.0433, 0.0433, 0.0708
CMYK	0.00, 0.00, 0.03, 0.04
HSL	60°, 24%, 94%
HSV	60°, 3%, 96%
XYZ	84.9061, 90.0078, 92.9814
YIQ	243.2020, 2.2470, -2.1770

# Conversions

## Conversions Part 2

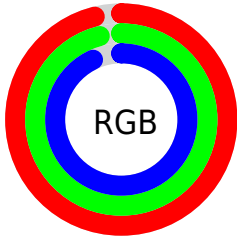
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 244, 237
Decimal	16053485
CIE Lab	96.00, -1.21, 3.36
CIE LCh	96, 3.569, 109.881
Yxy	90.0078, 0.3169, 0.3360
Android (android.graphics.Color)	4294243565 (0xFFFF4F4ED)
YUV	243.2020, -3.0576, 0.6998
Hunter-Lab	94.8724, -6.2782, 8.3025

# Details

The CIELCh color **96, 3.569, 109.881** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 3.615, 290.504**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 3.750, 109.809** is the 20% darker color. If you saturate the color by 10%, you get **95, 16.016, 108.951**, and if you desaturate by 10%, it is **96, 5.662, 290.661**.

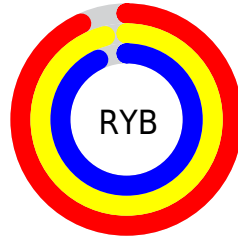
# Distribution



Red (96%)

Green (96%)

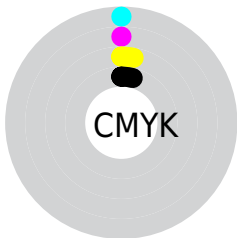
Blue (93%)



Red (93%)

Yellow (96%)

Blue (93%)

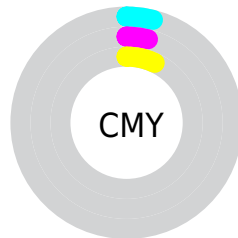


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 3.569, 109.881 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 96, 3.569, 109.881 by changing the saturation by 10% instead.



96, 3.569, 109.881

96, 3.569, 109.881

100, 3.569,  
109.881

86, 3.569, 109.881

76, 3.569, 109.881

66, 3.569, 109.881

56, 3.569, 109.881

46, 3.569, 109.881

36, 3.569, 109.881

26, 3.569, 109.881

16, 3.569, 109.881

6, 3.569, 109.881

96, 3.569, 109.881

96, 3.569, 109.881

95, 16.016,  
108.951

96, 5.662, 290.661

95, 28.355,  
107.976

96, 5.662, 290.714

95, 40.484,  
107.009

96, 5.663, 290.766

94, 52.237,  
106.072

96, 5.663, 290.872

94, 63.361,  
105.194

96, 5.663, 290.925

94, 73.474,  
104.407

96, 5.663, 291.031

94, 82.054,  
103.752

96, 5.663, 291.084

93, 88.496,  
103.271

■ 93, 92.347,  
102.989

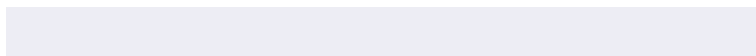
# Harmonies

# Complementary

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



96, 3.569, 109.881



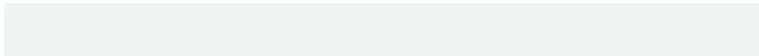
94, 3.615, 290.504

# Rectangle

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



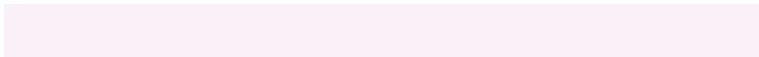
96, 3.569, 109.881



96, 3.569, 159.881



96, 3.569, 289.881



96, 3.569, 339.881

# Sweetspot

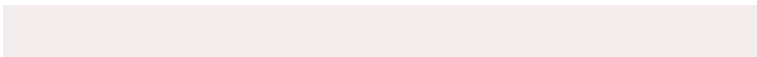
The Sweet Spot groups the original color and five complimentary colors.



96, 3.571, 109.906



100, 1.282, 110.047



94, 2.494, 19.322



53, 0.729, 110.048



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



96, 3.571, 109.906



100, 3.868, 109.894



96, 3.797, 128.980



51, 2.837, 109.822



73, 76.501, 102.890



24, 33.186, 103.212



# Inverse Universe

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



94, 3.615, 290.504



98, 3.916, 290.517



94, 3.833, 309.158



50, 2.873, 290.593



22, 105.630, 306.289

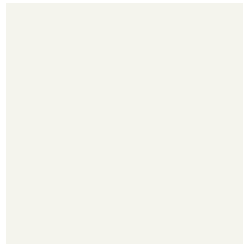


3, 39.907, 299.784



# Previews

## White Background



This preview shows how the CIE LCh color 96, 3.569, 109.881 looks on a white background.

## Color Contrast Check

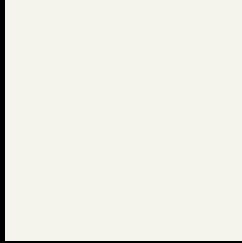
Large Text (above 18pt) WCAG AA × Fail

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 96, 3.569, 109.881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

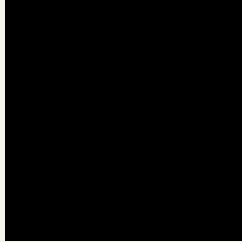
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

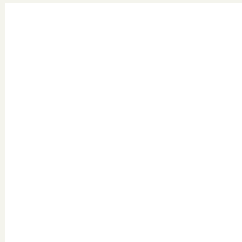
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# **CIELCh 96, 3.569, 109.881**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 96, 3.569, 109.881.

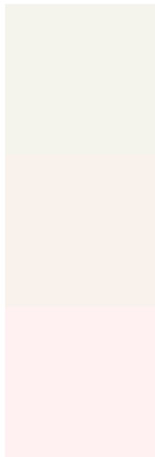


This preview shows how white text looks on a background with the CIELCh color 96, 3.569, 109.881.

# 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

96, 3.569, 109.881

### Protanopia

96, 3.938, 70.414

### Deuteranopia

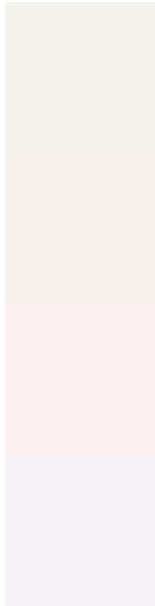
96, 5.379, 14.205





**Tritanopia**  
96, 7.418, 304.212

# Trichromacy



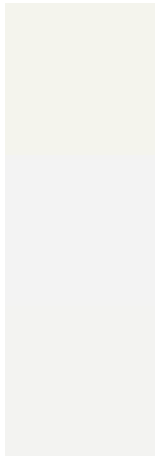
**Original Color**  
96, 3.569, 109.881

**Protanomaly**  
96, 3.833, 87.988

**Deuteranomaly**  
96, 3.592, 27.636

**Tritanomaly**  
96, 3.272, 309.132

# Monochromacy



**Original Color**  
96, 3.569, 109.881

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 1.013, 110.026

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 3.569, 109.881 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(244, 244, 237)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 237)  
}
```

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(244, 244, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 3.569, 109.881 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(244, 244, 237) }
```

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

```
.border{ border-color:rgb(244, 244, 237) }
```

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

Here you see how a box with a 4 pixel rgb(244, 244, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 237);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 3.569, 109.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 237) }
```

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

```
.background{ background-color: rgb(244,  
244, 237) }
```

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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