

Converting Colors

CIELCh(96, 3.125, 105.469)

Have a look what the booklet for
CIELCh(96, 3.125, 105.469) contains.

CIELCh(96, 3.058, 109.917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 3.058, 109.917)

Conversions

Conversions Part 1

Format	Color
Hex	F4F4EE
RGB	244, 244, 238
RGB Percent	96%, 96%, 93%
CMY	0.0436, 0.0436, 0.0671
CMYK	0.00, 0.00, 0.02, 0.04
HSL	60°, 21%, 94%
HSV	60°, 2%, 96%
XYZ	84.9971, 90.0078, 93.6906
YIQ	243.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

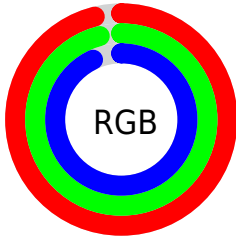
Format	Color
R _Y B	238, 244, 238
Decimal	16053486
CIE Lab	96.00, -1.04, 2.88
CIE LCh	96, 3.058, 109.917
Yxy	90.0078, 0.3163, 0.3350
Android (android.graphics.Color)	4294243566 (0xFFFF4F4EE)
YUV	243.3160, -2.6208, 0.5999
Hunter-Lab	94.8724, -6.1070, 7.8593

Details

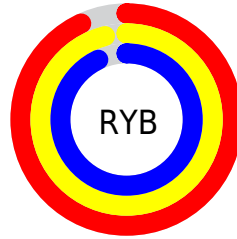
The CIELCh color **96, 3.058, 109.917** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94, 3.098, 290.471**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 3.213, 109.857** is the 20% darker color. If you saturate the color by 10%, you get **95, 15.505, 108.995**, and if you desaturate by 10%, it is **96, 5.698, 290.672**.

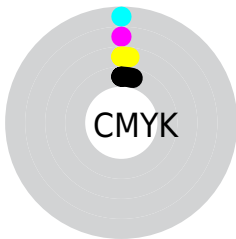
Distribution



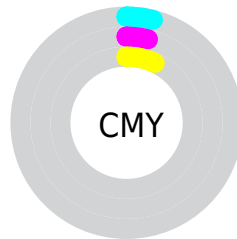
- Red (96%)
- Green (96%)
- Blue (93%)



- Red (93%)
- Yellow (96%)
- Blue (93%)



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



- Cyan (4%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 3.058, 109.917 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, 3.058, 109.917 by changing the saturation by 10% instead.

96, 3.058, 109.917

96, 3.058, 109.917

100, 3.058,
109.917

86, 3.058, 109.917

76, 3.058, 109.917

66, 3.058, 109.917

56, 3.058, 109.917

46, 3.058, 109.917

36, 3.058, 109.917

26, 3.058, 109.917

16, 3.058, 109.917

6, 3.058, 109.917

96, 3.058, 109.917

96, 3.058, 109.917

95, 15.505,
108.995

96, 5.698, 290.672

95, 27.847,
108.020

96, 5.699, 290.733

95, 39.984,
107.053

96, 5.699, 290.794

94, 51.755,
106.115

96, 5.699, 290.916

94, 62.908,
105.233

96, 5.699, 290.977

94, 73.070,
104.442

96, 5.699, 291.100

94, 81.722,
103.781

96, 5.699, 291.161

93, 88.262,
103.293

■ 93, 92.221,
103.003

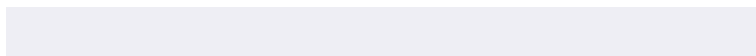
Harmonies

Complementary

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



96, 3.058, 109.917



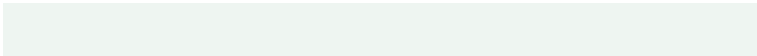
94, 3.098, 290.471

Rectangle

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



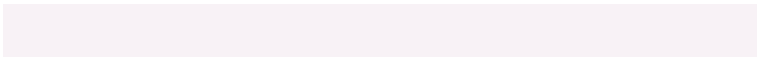
96, 3.058, 109.917



96, 3.058, 159.917



96, 3.058, 289.917



96, 3.058, 339.917

Sweetspot

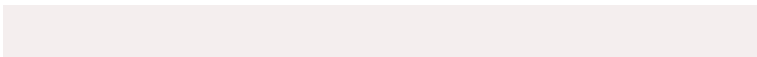
The Sweet Spot groups the original color and five complimentary colors.



96, 3.060, 109.946



100, 1.282, 110.051



95, 2.134, 19.255



53, 0.729, 110.052



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, 3.060, 109.946



100, 3.868, 109.898



96, 3.253, 129.004



51, 2.837, 109.826



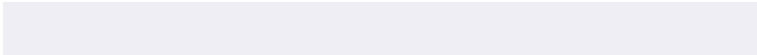
73, 76.501, 102.897



24, 33.186, 103.218

Inverse Universe

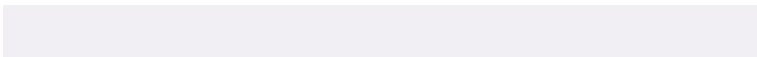
The Inverse Universe completely reimagines the original color for something new.



94, 3.098, 290.471



98, 3.916, 290.521



94, 3.285, 309.134



50, 2.873, 290.597



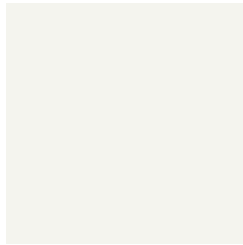
22, 105.630, 306.289



3, 39.907, 299.786

Previews

White Background



This preview shows how the CIE LCh color 96, 3.058, 109.917 looks on a white background.

Color Contrast Check

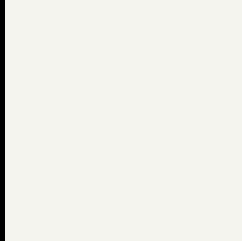
Large Text (above 18pt) WCAG AA × Fail

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, 3.058, 109.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

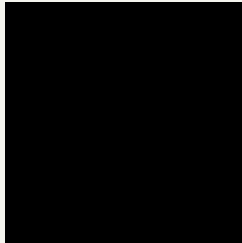
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

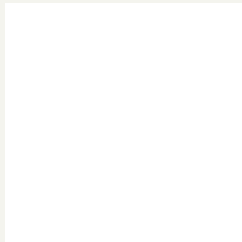
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 3.058, 109.917

Background



This preview shows how black text looks on a background with the CIELCh color 96, 3.058, 109.917.

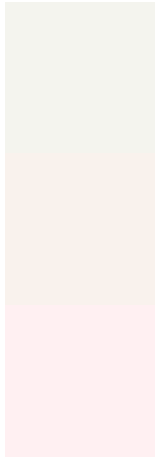


This preview shows how white text looks on a background with the CIELCh color 96, 3.058, 109.917.

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, 3.058, 109.917

Protanopia

96, 3.555, 65.241

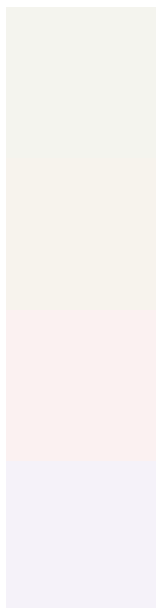
Deuteranopia

96, 5.448, 8.855



Tritanopia
96, 7.418, 304.212

Trichromacy



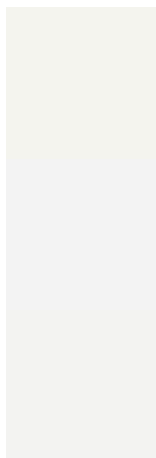
Original Color
96, 3.058, 109.917

Protanomaly
96, 3.362, 84.807

Deuteranomaly
96, 3.556, 19.464

Tritanomaly
96, 3.761, 306.638

Monochromacy



Original Color
96, 3.058, 109.917

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, 3.058, 109.917 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 3.058, 109.917 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, 238) }
```

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

```
.border{ border-color:rgb(244, 244, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 238);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 3.058, 109.917 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, 238) }
```

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

```
.background{ background-color: rgb(244,  
244, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor