

# Converting Colors

CIELCh(98, 2.931, 112.588)

Have a look what the booklet for  
CIELCh(98, 2.931, 112.588) contains.

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# Color

**CIELCh(98, 3.068, 116.533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FAF4
RGB	249, 250, 244
RGB Percent	98%, 98%, 96%
CMY	0.0241, 0.0202, 0.0437
CMYK	0.00, 0.00, 0.02, 0.02
HSL	70°, 37%, 97%
HSV	70°, 2%, 98%
XYZ	89.4623, 94.9163, 99.0781
YIQ	249.0170, 1.3300, -2.0780

# Conversions

## Conversions Part 2

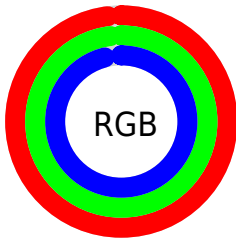
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 250, 245
Decimal	16382708
CIE Lab	98.00, -1.37, 2.74
CIE LCh	98, 3.068, 116.533
Yxy	94.9163, 0.3156, 0.3349
Android (android.graphics.Color)	4294572788 (0xFFFF9FAF4)
YUV	249.0170, -2.4734, -0.0149
Hunter-Lab	97.4250, -6.5828, 7.9015

# Details

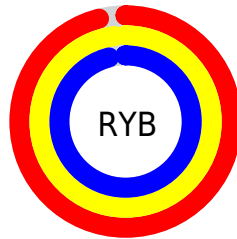
The CIELCh color 98, 3.068, 116.533 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 3.108, 296.904, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 3.220, 116.487 is the 20% darker color. If you saturate the color by 10%, you get 97, 15.873, 115.830, and if you desaturate by 10%, it is 99, 2.866, 313.093.

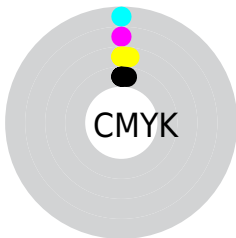
# Distribution



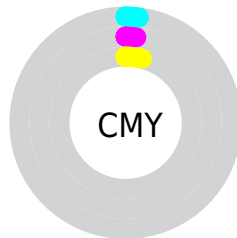
- Red (98%)
- Green (98%)
- Blue (96%)



- Red (96%)
- Yellow (98%)
- Blue (96%)



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 3.068, 116.533 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 98, 3.068, 116.533 by changing the saturation by 10% instead.



 98, 3.068, 116.533

 98, 3.068, 116.533

 100, 3.068,  
116.533

 88, 3.068, 116.533

 78, 3.068, 116.533

 68, 3.068, 116.533

 58, 3.068, 116.533

 48, 3.068, 116.533

 38, 3.068, 116.533

 28, 3.068, 116.533

 18, 3.068, 116.533

 8, 3.068, 116.533

98, 3.068, 116.533

98, 3.068, 116.533

97, 15.873,  
115.830

99, 2.866, 313.093

96, 28.578,  
115.092

99, 3.201, 324.457

96, 41.078,  
114.360

95, 53.210,  
113.661

94, 64.727,  
113.034

94, 75.258,  
112.532

93, 84.289,  
112.231

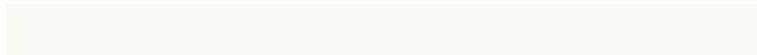
93, 91.212,  
112.216

■ 93, 95.544,  
112.566

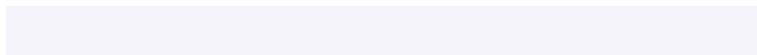
# Harmonies

# Complementary

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



98, 3.068, 116.533



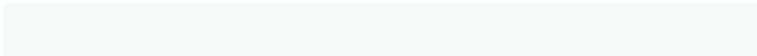
96, 3.108, 296.904

# Rectangle

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



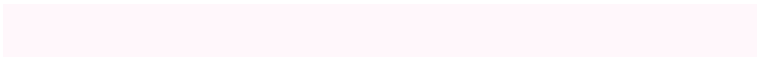
98, 3.068, 116.533



98, 3.068, 166.533



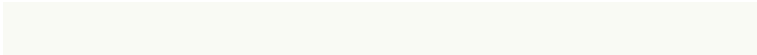
98, 3.068, 296.533



98, 3.068, 346.533

# Sweetspot

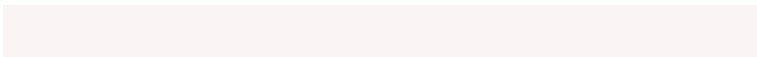
The Sweet Spot groups the original color and five complimentary colors.



98, 3.070, 116.557



100, 1.292, 116.657



97, 1.834, 35.318



53, 0.734, 116.661



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



98, 3.070, 116.557



100, 3.900, 116.514



98, 3.374, 134.630



52, 2.910, 116.457



72, 78.737, 112.894



24, 34.806, 112.127



# Inverse Universe

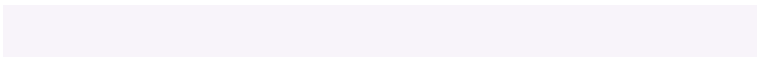
The Inverse Universe completely reimagines the original color for something new.



96, 3.108, 296.904



98, 3.947, 296.948



97, 3.402, 314.709



51, 2.946, 297.008



24, 105.517, 306.996

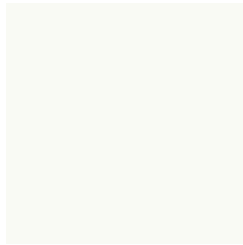


4, 42.481, 304.289



# Previews

## White Background



This preview shows how the CIELCh color 98, 3.068, 116.533 looks on a white background.

## Color Contrast Check

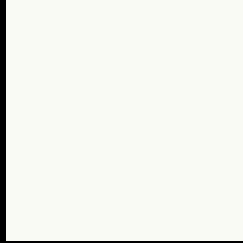
Large Text (above 18pt) WCAG AA × Fail

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 98, 3.068, 116.533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

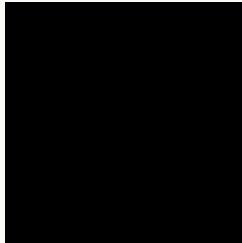
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

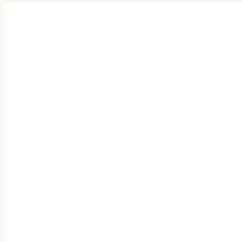
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 3.068, 116.533**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 3.068, 116.533.

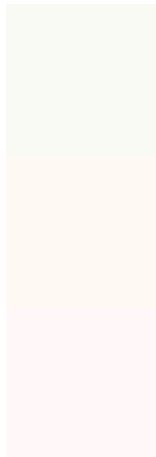


This preview shows how white text looks on a background with the CIELCh color 98, 3.068, 116.533.

# 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

98, 3.068, 116.533

### Protanopia

98, 3.537, 65.249

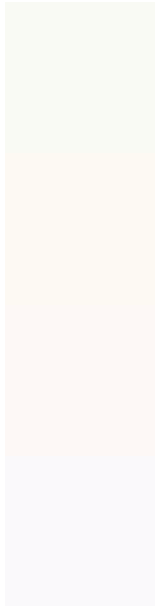
### Deuteranopia

98, 2.876, 9.172



**Tritanopia**  
98, 3.658, 301.411

# Trichromacy



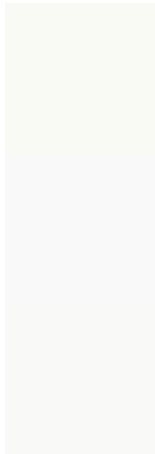
**Original Color**  
98, 3.068, 116.533

**Protanomaly**  
98, 3.346, 84.817

**Deuteranomaly**  
98, 2.025, 49.322

**Tritanomaly**  
98, 1.093, 308.975

# Monochromacy



**Original Color**  
98, 3.068, 116.533

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 1.008, 110.026

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 3.068, 116.533 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(249, 250, 244)` looks like.

```
.text, #text, p{  
    color:rgb(249, 250, 244)  
}
```

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(249, 250, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 250, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 3.068, 116.533 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(249, 250, 244) }
```

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

```
.border{ border-color:rgb(249, 250, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 250, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 250, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 250, 244);  
box-shadow:4px 4px 4px 4px rgb(249, 250,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 3.068, 116.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 250, 244) }
```

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

```
.background{ background-color: rgb(249,  
250, 244) }
```

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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