

# Converting Colors

CIELCh(100, 10.107, 28.800)

Have a look what the booklet for  
CIELCh(100, 10.107, 28.800)  
contains.

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# **Color**

**CIELCh(98, 2.597, 55.190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF8F5
RGB	254, 248, 245
RGB Percent	100%, 97%, 96%
CMY	0.0034, 0.0269, 0.0387
CMYK	0.00, 0.02, 0.04, 0.00
HSL	20°, 84%, 98%
HSV	20°, 4%, 100%
XYZ	91.0341, 94.9163, 100.0206
YIQ	249.4520, 4.5390, 0.3390

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">254, 250, 245</a>
Decimal	<a href="#">16709877</a>
CIELab	<a href="#">98.00, 1.48, 2.13</a>
CIELCh	<a href="#">98, 2.597, 55.190</a>
Yxy	<a href="#">94.9163, 0.3183, 0.3319</a>
Android (android.graphics.Color)	<a href="#">4294899957 (0xFFFEF8F5)</a>
YUV	<a href="#">249.4520, -2.1948, 3.9886</a>
Hunter-Lab	<a href="#">97.4250, -3.7030, 7.3279</a>

# Details

The CIELCh color **98, 2.597, 55.190** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98, 2.562, 236.281**, 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, 2.439, 60.283** is the 20% darker color. If you saturate the color by 10%, you get **93, 10.310, 54.634**, and if you desaturate by 10%, it is **100, 0.300, 201.592**.

# Distribution



Red (100%)

Green (97%)

Blue (96%)



Red (100%)

Yellow (98%)

Blue (96%)



Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 2.597, 55.190 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, 2.597, 55.190 by changing the saturation by 10% instead.



 98, 2.597, 55.190

 98, 2.597, 55.190

 100, 2.597, 55.190

 88, 2.597, 55.190

 78, 2.597, 55.190

 68, 2.597, 55.190

 58, 2.597, 55.190

 48, 2.597, 55.190

 38, 2.597, 55.190

 28, 2.597, 55.190

 18, 2.597, 55.190

 8, 2.597, 55.190

98, 2.597, 55.190

98, 2.597, 55.190

93, 10.310, 54.634

100, 0.300,  
201.592

89, 18.598, 53.922

84, 27.512, 53.261

80, 37.085, 52.680

75, 47.307, 52.191

71, 58.083, 51.784

68, 69.137, 51.390

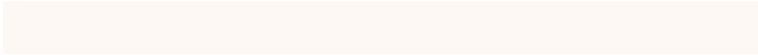
64, 79.817, 50.815

61, 88.803, 49.624

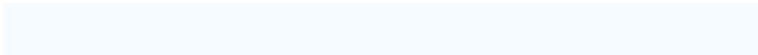
# Harmonies

# Complementary

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



98, 2.597, 55.190



98, 2.562, 236.281

# Rectangle

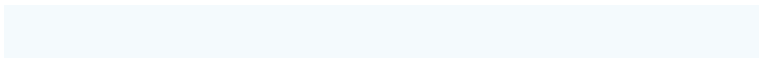
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 2.597, 55.190



98, 2.597, 105.190



98, 2.597, 235.190



98, 2.597, 285.190

# Sweetspot

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



98, 2.597, 55.250



100, 0.725, 54.873



97, 4.428, 335.820



53, 0.412, 54.835



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, 2.597, 55.250



98, 2.949, 55.240



99, 3.827, 101.901



52, 2.102, 55.211



45, 74.832, 49.068



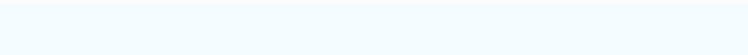
13, 28.132, 46.477



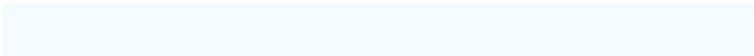


# Inverse Universe

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



98, 2.562, 236.281



98, 2.901, 236.295



97, 3.865, 282.774



52, 2.059, 236.331



51, 41.830, 262.290

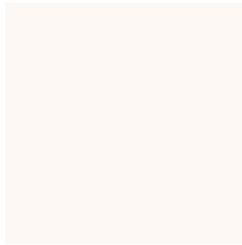


16, 17.987, 255.063



# Previews

## White Background



This preview shows how the CIE LCh color 98, 2.597, 55.190 looks on a white background.

## Color Contrast Check

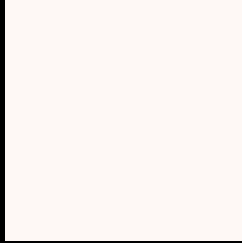
Large Text (above 18pt) WCAG AA × Fail

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 98, 2.597, 55.190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

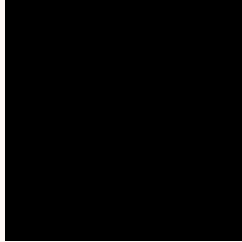
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 98, 2.597, 55.190**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 2.597, 55.190.



This preview shows how white text looks on a background with the CIELCh color 98, 2.597, 55.190.

# 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, 2.599, 55.190

### Protanopia

98, 2.599, 55.190

### Deuteranopia

98, 2.526, 7.689

**Tritanopia**  
98, 3.859, 311.595



# Trichromacy

A vertical color bar on the left side of the Trichromacy section, showing a gradient from light orange at the top to light pink at the bottom.

## Original Color

98, 2.599, 55.190

## Protanomaly

98, 2.599, 55.190

## Deuteranomaly

98, 2.470, 19.304

## Tritanomaly

98, 2.348, 338.592

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, showing a gradient from light orange at the top to light blue at the bottom.

## Original Color

98, 2.599, 55.190

## Achromatopsia

98, 0.011, 296.813

## Achromatomaly

98, 1.163, 44.808

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 2.597, 55.190 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, 248, 245)` looks like.

```
.text, #text, p{  
    color:rgb(254, 248, 245)  
}
```

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, 248, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 248, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 2.597, 55.190 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, 248, 245) }
```

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

```
.border{ border-color:rgb(254, 248, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 248, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 248, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 248, 245);  
box-shadow:4px 4px 4px 4px rgb(254, 248,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 2.597, 55.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 248, 245) }
```

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

```
.background{ background-color: rgb(254,  
248, 245) }
```

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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