

# Converting Colors

CIELCh(98, 0.805, 110.136)

Have a look what the booklet for  
CIELCh(98, 0.805, 110.136) contains.

<b>CIELCh(98, 0.498, 109.987)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(98, 0.498, 109.987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F9F8
RGB	249, 249, 248
RGB Percent	98%, 98%, 97%
CMY	0.0224, 0.0224, 0.0263
CMYK	0.00, 0.00, 0.00, 0.02
HSL	60°, 8%, 98%
HSV	60°, 0%, 98%
XYZ	90.1213, 94.9163, 102.6112
YIQ	248.8860, 0.3210, -0.3110

# Conversions

## Conversions Part 2

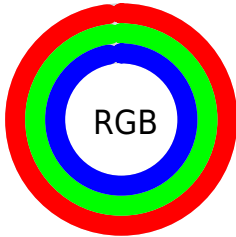
Format	Color
R <sub>Y</sub> B	248, 249, 248
Decimal	16382456
CIE Lab	98.00, -0.17, 0.47
CIE LCh	98, 0.498, 109.987
Yxy	94.9163, 0.3133, 0.3300
Android (android.graphics.Color)	4294572536 (0xFFFF9F9F8)
YUV	248.8860, -0.4368, 0.1000
Hunter-Lab	97.4250, -5.3753, 5.7513

# Details

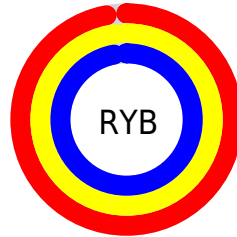
The CIELCh color 98, 0.498, 109.987 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 0.523, 290.527, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 0.525, 110.010 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.180, 109.341, and if you desaturate by 10%, it is 98, 2.921, 291.124.

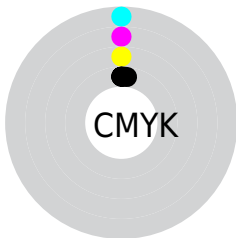
# Distribution



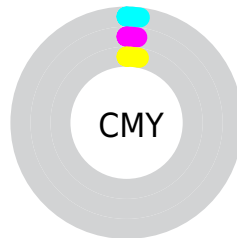
- Red (98%)
- Green (98%)
- Blue (97%)



- Red (97%)
- Yellow (98%)
- Blue (97%)



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



- Cyan (2%)
- Magenta (2%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 0.498, 109.987 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, 0.498, 109.987 by changing the saturation by 10% instead.



 98, 0.498, 109.987

 98, 0.498, 109.987

100, 0.498,  
109.987

 88, 0.498, 109.987

 78, 0.498, 109.987

 68, 0.498, 109.987

 58, 0.498, 109.987

 48, 0.498, 109.987

 38, 0.498, 109.987

 28, 0.498, 109.987

 18, 0.498, 109.987

 8, 0.498, 109.987

98, 0.498, 109.987

98, 0.498, 109.987

97, 13.180,  
109.341

98, 2.921, 291.124

97, 25.773,  
108.371

98, 2.922, 291.854

96, 38.181,  
107.405

98, 2.924, 292.583

96, 50.254,  
106.463

98, 2.928, 294.038

96, 61.759,  
105.573

98, 2.931, 294.764


96, 72.342,  
104.766

98, 2.939, 296.211

95, 81.502,  
104.084

98, 2.944, 296.931

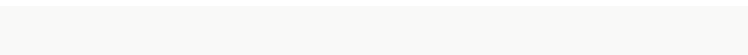
95, 88.630,  
103.568

 95, 93.195,  
103.252

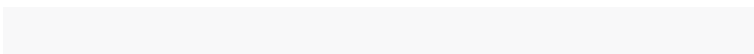
# Harmonies

# Complementary

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



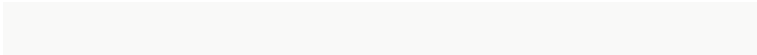
98, 0.498, 109.987



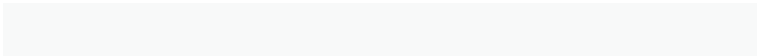
98, 0.523, 290.527

# Rectangle

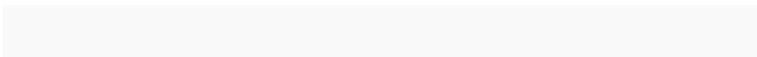
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



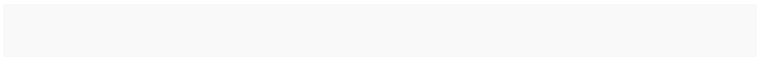
98, 0.498, 109.987



98, 0.498, 159.987



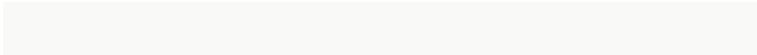
98, 0.498, 289.987



98, 0.498, 339.987

# Sweetspot

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



98, 0.500, 110.161

100, 0.012, 296.813



98, 0.354, 17.594



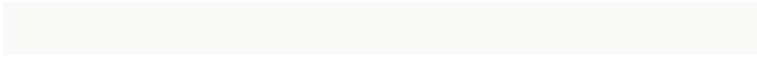
53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



98, 0.500, 110.161

100, 0.012, 296.813



98, 0.532, 129.313



52, 0.007, 296.813



74, 77.282, 103.119



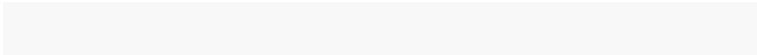
25, 34.378, 103.313





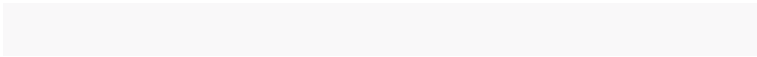
# Inverse Universe

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



98, 0.523, 290.527

100, 0.012, 296.813



98, 0.555, 308.835



52, 0.007, 296.813



23, 106.687, 306.300

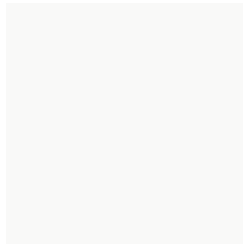


3, 42.038, 300.904



# Previews

## White Background



This preview shows how the CIELCh color 98, 0.498, 109.987 looks on a white background.

## Color Contrast Check

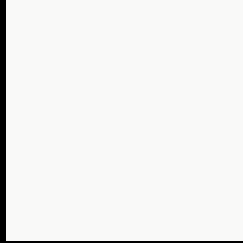
Large Text (above 18pt) WCAG AA × Fail

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, 0.498, 109.987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

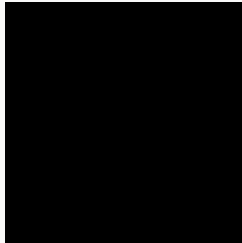
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

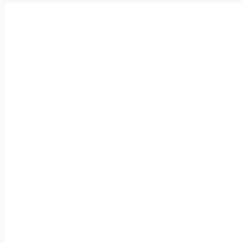
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 0.498, 109.987**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 0.498, 109.987.

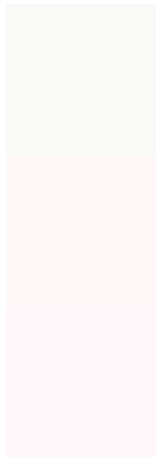


This preview shows how white text looks on a background with the CIELCh color 98, 0.498, 109.987.

# 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, 0.498, 109.987

### Protanopia

98, 2.116, 19.237

### Deuteranopia

98, 3.011, 359.612

**Tritanopia**  
98, 3.658, 301.411



# Trichromacy



**Original Color**

98, 0.498, 109.987

**Protanomaly**

98, 1.409, 19.037

**Deuteranomaly**

98, 1.840, 3.099

**Tritanomaly**

98, 2.664, 305.560

# Monochromacy



**Original Color**

98, 0.498, 109.987

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

98, 0.011, 296.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 0.498, 109.987 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, 249, 248)` looks like.

```
.text, #text, p{  
    color:rgb(249, 249, 248)  
}
```

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, 249, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 0.498, 109.987 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, 249, 248) }
```

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

```
.border{ border-color:rgb(249, 249, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 249, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 249, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 249, 248);  
box-shadow:4px 4px 4px 4px rgb(249, 249,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 0.498, 109.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 249, 248) }
```

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

```
.background{ background-color: rgb(249,  
249, 248) }
```

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