

# Converting Colors

CIELCh(98, 0.779, 217.785)

Have a look what the booklet for  
CIELCh(98, 0.779, 217.785) contains.

<b>CIELCh(98, 0.698, 200.296)</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, 0.698, 200.296)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FAFA
RGB	248, 250, 250
RGB Percent	97%, 98%, 98%
CMY	0.0289, 0.0210, 0.0210
CMYK	0.01, 0.00, 0.00, 0.02
HSL	180°, 16%, 98%
HSV	180°, 1%, 98%
XYZ	89.8550, 94.9163, 103.7301
YIQ	249.4020, -1.1920, -0.4240

# Conversions

## Conversions Part 2

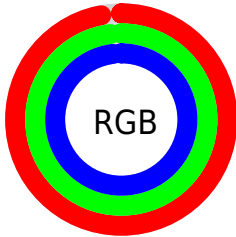
Format	Color
R <sub>Y</sub> B	248, 249, 250
Decimal	16317178
CIE Lab	98.00, -0.65, -0.24
CIE LCh	98, 0.698, 200.296
Yxy	94.9163, 0.3115, 0.3290
Android (android.graphics.Color)	4294507258 (0xFFFBFAFA)
YUV	249.4020, 0.2948, -1.2296
Hunter-Lab	97.4250, -5.8633, 5.0704

# Details

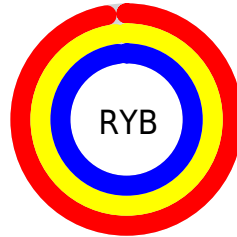
The CIELCh color 98, 0.698, 200.296 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 0.706, 18.363, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 0.732, 200.086 is the 20% darker color. If you saturate the color by 10%, you get 96, 9.207, 198.708, and if you desaturate by 10%, it is 99, 1.886, 18.453.

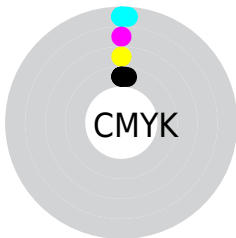
# Distribution



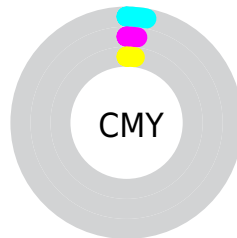
- Red (97%)
- Green (98%)
- Blue (98%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 0.698, 200.296 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, 0.698, 200.296 by changing the saturation by 10% instead.



 98, 0.698, 200.296

 98, 0.698, 200.296

 100, 0.698,  
200.296

 88, 0.698, 200.296

 78, 0.698, 200.296

 68, 0.698, 200.296

 58, 0.698, 200.296

 48, 0.698, 200.296

 38, 0.698, 200.296

 28, 0.698, 200.296

 18, 0.698, 200.296

 8, 0.698, 200.296

98, 0.698, 200.296

98, 0.698, 200.296

96, 9.207, 198.708

99, 1.886, 18.453

95, 17.211,  
198.162

99, 1.887, 17.661

93, 24.571,  
197.685

99, 1.888, 16.870

99, 1.889, 16.080

92, 31.143,  
197.268

99, 1.891, 15.292

91, 36.793,  
196.913

99, 1.894, 14.505

99, 1.896, 13.720

91, 41.417,  
196.622

99, 1.899, 12.938

90, 44.950,  
196.396

99, 1.903, 12.158

90, 47.389,  
196.232

 89, 48.802,  
196.125

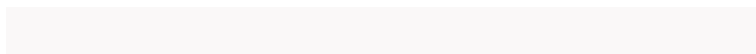
# Harmonies

# Complementary

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



98, 0.698, 200.296



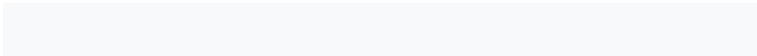
98, 0.706, 18.363

# Rectangle

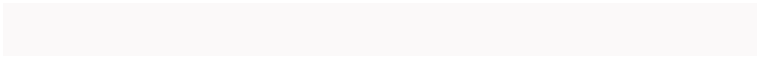
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



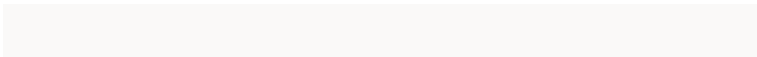
98, 0.698, 200.296



98, 0.698, 250.296



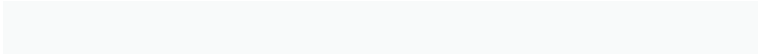
98, 0.698, 20.296



98, 0.698, 70.296

# Sweetspot

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



98, 0.699, 200.120

100, 0.012, 296.813



98, 1.231, 144.199



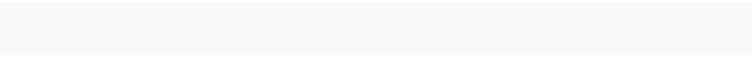
53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

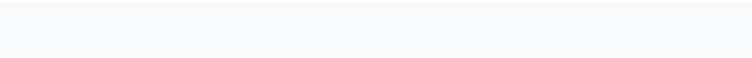
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 0.699, 200.120



100, 0.886, 199.925



98, 0.617, 254.416



52, 0.496, 199.968



69, 40.022, 196.071



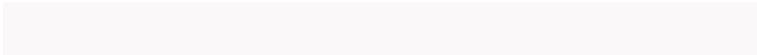
23, 18.104, 196.111





# Inverse Universe

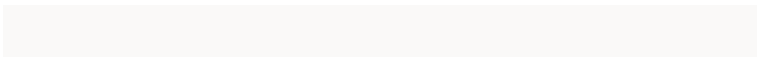
The Inverse Universe completely reimagines the original color for something new.



98, 0.706, 18.363



99, 0.895, 18.558



98, 0.601, 72.749



52, 0.500, 18.514



39, 83.295, 39.917

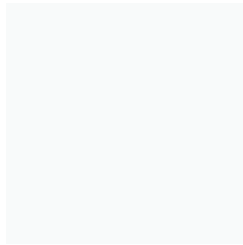


9, 32.180, 26.058



# Previews

## White Background



This preview shows how the CIE LCh color 98, 0.698, 200.296 looks on a white background.

## Color Contrast Check

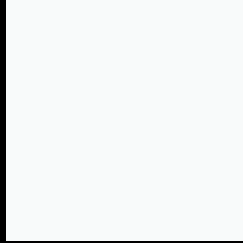
Large Text (above 18pt) WCAG AA × Fail

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, 0.698, 200.296 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

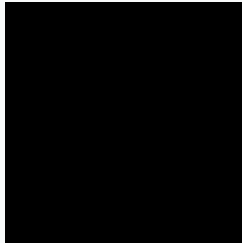
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

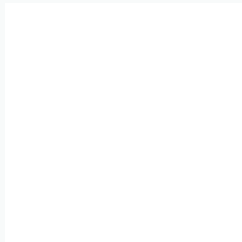
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 0.698, 200.296**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 0.698, 200.296.

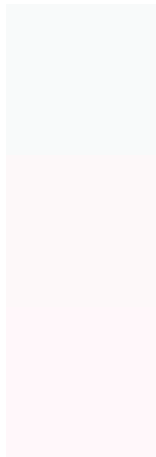


This preview shows how white text looks on a background with the CIELCh color 98, 0.698, 200.296.

# 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, 0.698, 200.296

### Protanopia

98, 1.840, 3.099

### Deuteranopia

98, 3.223, 351.093

**Tritanopia**  
98, 3.658, 301.411



# Trichromacy



**Original Color**

98, 0.698, 200.296

**Protanomaly**

98, 0.704, 18.526

**Deuteranomaly**

98, 1.752, 343.506

**Tritanomaly**

98, 2.050, 290.369

# Monochromacy



**Original Color**

98, 0.698, 200.296

**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, 0.698, 200.296 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(248, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(248, 250, 250)  
}
```

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(248, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 250, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 0.698, 200.296 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(248, 250, 250) }
```

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

```
.border{ border-color:rgb(248, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(248, 250,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 0.698, 200.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 250, 250) }
```

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

```
.background{ background-color: rgb(248,  
250, 250) }
```

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