

# Converting Colors

CIELCh(100, 13.168, 333.196)

Have a look what the booklet for  
CIELCh(100, 13.168, 333.196)  
contains.

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# Color

**CIELCh(98, 4.358, 324.523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF7FE
RGB	254, 247, 254
RGB Percent	100%, 97%, 100%
CMY	0.0032, 0.0306, 0.0032
CMYK	0.00, 0.03, 0.00, 0.00
HSL	300°, 81%, 98%
HSV	300°, 3%, 100%
XYZ	92.1839, 94.9163, 107.3889
YIQ	249.8910, 1.9250, 3.6610

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 247, 254
Decimal	16709630
CIE Lab	98.00, 3.55, -2.53
CIE LCh	98, 4.358, 324.523
Yxy	94.9163, 0.3130, 0.3223
Android (android.graphics.Color)	4294899710 (0xFFFEF7FE)
YUV	249.8910, 2.0257, 3.6036
Hunter-Lab	97.4250, -1.5963, 2.8437

# Details

The CIELCh color 98, 4.358, 324.523 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 4.335, 144.358, 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, 3.921, 324.543 is the 20% darker color. If you saturate the color by 10%, you get 92, 20.293, 325.132, and if you desaturate by 10%, it is 100, 0.490, 145.051.

# Distribution



- Red (100%)
- Green (97%)
- Blue (100%)



- Red (100%)
- Yellow (97%)
- Blue (100%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 4.358, 324.523 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, 4.358, 324.523 by changing the saturation by 10% instead.



 98, 4.358, 324.523

 98, 4.358, 324.523

 100, 4.358,  
324.523

 88, 4.358, 324.523

 78, 4.358, 324.523

 68, 4.358, 324.523

 58, 4.358, 324.523

 48, 4.358, 324.523

 38, 4.358, 324.523

 28, 4.358, 324.523

 18, 4.358, 324.523

 8, 4.358, 324.523

98, 4.358, 324.523

98, 4.358, 324.523

92, 20.293,  
325.132

100, 0.490,  
145.051

86, 36.293,  
325.688

100, 0.490,  
145.043

80, 52.063,  
326.225

100, 0.490,  
145.035

75, 67.194,  
326.727

100, 0.489,  
145.027

71, 81.156,  
327.180

100, 0.489,  
145.019

67, 93.332,  
327.564

100, 0.489,  
145.011

64, 103.109,  
327.866

100, 0.489,  
145.003

62, 110.025,  
328.075

100, 0.489,  
144.995

■ 61, 113.950,  
328.192

100, 0.489,  
144.987

# Harmonies

# Complementary

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



98, 4.358, 324.523



99, 4.335, 144.358

# Rectangle

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



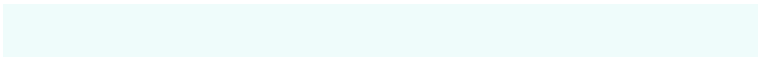
98, 4.358, 324.523



98, 4.358, 14.523



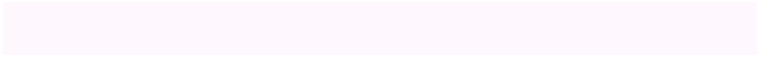
98, 4.358, 144.523



98, 4.358, 194.523

# Sweetspot

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



98, 4.355, 324.523



99, 1.592, 324.303



98, 3.520, 289.808



53, 0.905, 324.290



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, 4.355, 324.523



98, 4.763, 324.542



98, 3.092, 342.832



52, 3.611, 324.600



45, 93.083, 328.232

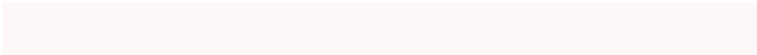


12, 42.823, 328.232

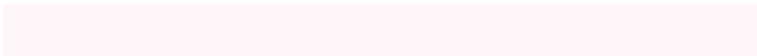


# Inverse Universe

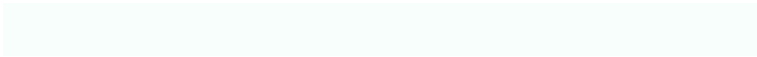
The Inverse Universe completely reimagines the original color for something new.



98, 2.469, 19.304



98, 2.702, 19.342



99, 3.067, 162.698



52, 2.055, 19.443



40, 84.229, 40.000

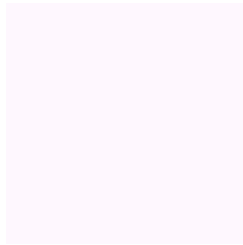


10, 33.367, 27.176



# Previews

## White Background



This preview shows how the CIE LCh color 98, 4.358, 324.523 looks on a white background.

## Color Contrast Check

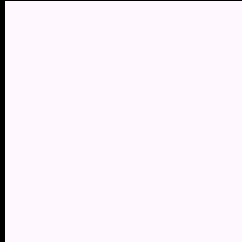
Large Text (above 18pt) WCAG AA × Fail

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, 4.358, 324.523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

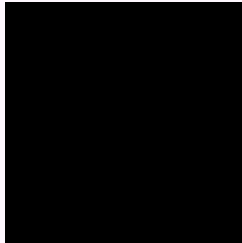
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 4.358, 324.523

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 4.358, 324.523.



This preview shows how white text looks on a background with the CIELCh color 98, 4.358, 324.523.

# 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, 4.361, 324.523

### Protanopia

98, 3.859, 311.595

### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.859, 311.595

# Trichromacy



**Original Color**

98, 4.361, 324.523

**Protanomaly**

98, 4.002, 316.244

**Deuteranomaly**

98, 3.820, 337.601

**Tritanomaly**

98, 4.002, 316.244

# Monochromacy



**Original Color**

98, 4.361, 324.523

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

98, 1.875, 324.344

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 4.358, 324.523 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, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 247, 254)  
}
```

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, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 247, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 4.358, 324.523 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, 247, 254) }
```

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

```
.border{ border-color:rgb(254, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 247,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 4.358, 324.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 247, 254) }
```

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

```
.background{ background-color: rgb(254,  
247, 254) }
```

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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