

# Converting Colors

CIE LCh(98, 3.618, 232.337)

Have a look what the booklet for  
CIELCh(98, 3.618, 232.337) contains.

<b>CIELCh(98, 3.687, 233.056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(98, 3.687, 233.056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FBFF
RGB	242, 251, 255
RGB Percent	95%, 98%, 100%
CMY	0.0518, 0.0165, 0.0008
CMYK	0.05, 0.02, 0.00, 0.00
HSL	198°, 97%, 97%
HSV	198°, 5%, 100%
XYZ	89.0000, 94.9163, 108.0659
YIQ	248.7650, -6.6480, -0.6640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 247, 255
Decimal	15924223
CIE Lab	98.00, -2.22, -2.95
CIE LCh	98, 3.687, 233.056
Yxy	94.9163, 0.3048, 0.3251
Android (android.graphics.Color)	4294114303 (0xFFFF2FBFF)
YUV	248.7650, 3.0739, -5.9329
Hunter-Lab	97.4250, -7.4298, 2.4317

# Details

The CIELCh color 98, 3.687, 233.056 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 3.779, 51.961, 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, 3.598, 225.860 is the 20% darker color. If you saturate the color by 10%, you get 94, 10.684, 233.813, and if you desaturate by 10%, it is 100, 0.091, 109.320.

# Distribution



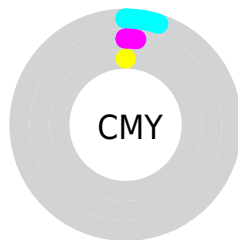
- Red (95%)
- Green (98%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 3.687, 233.056 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, 3.687, 233.056 by changing the saturation by 10% instead.



 98, 3.687, 233.056

 98, 3.687, 233.056

 100, 3.687,  
233.056

 88, 3.687, 233.056

 78, 3.687, 233.056

 68, 3.687, 233.056

 58, 3.687, 233.056

 48, 3.687, 233.056

 38, 3.687, 233.056

 28, 3.687, 233.056

 18, 3.687, 233.056

 8, 3.687, 233.056

98, 3.687, 233.056

98, 3.687, 233.056

94, 10.684,  
233.813

100, 0.091,  
109.320

91, 17.324,  
234.938

87, 23.520,  
236.382

84, 29.189,  
238.217

81, 34.258,  
240.527

78, 38.684,  
243.409

75, 42.481,  
246.945

72, 45.736,  
251.181

■ 70, 48.629,  
256.072

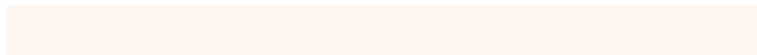
# Harmonies

# Complementary

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



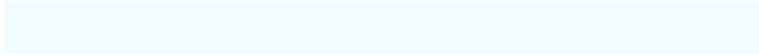
98, 3.687, 233.056



97, 3.779, 51.961

# Rectangle

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



98, 3.687, 233.056



98, 3.687, 283.056



98, 3.687, 53.056



98, 3.687, 103.056

# Sweetspot

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



98, 3.687, 233.018



99, 1.458, 233.029



99, 6.528, 153.996



53, 0.829, 233.043



0, 0.000, 0.000



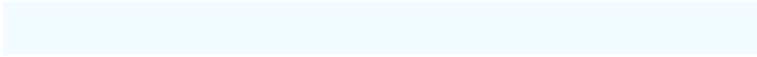
53, 0.007, 296.813



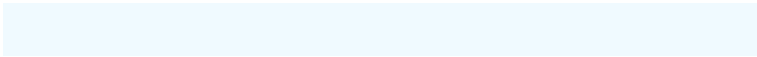


# Same Dimension

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



98, 3.687, 233.018



98, 4.331, 233.066



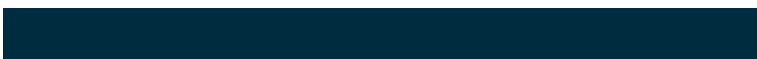
96, 5.391, 281.033



52, 2.869, 233.106



52, 39.960, 257.617



16, 17.395, 250.532



# Inverse Universe

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



97, 6.524, 334.874



96, 7.684, 334.946



99, 5.343, 99.789



51, 5.099, 334.997



42, 73.970, 345.488

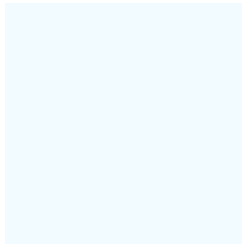


11, 34.860, 342.806



# Previews

## White Background



This preview shows how the CIELCh color 98, 3.687, 233.056 looks on a white background.

## Color Contrast Check

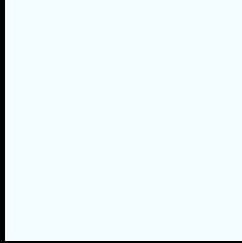
Large Text (above 18pt) WCAG AA × Fail

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, 3.687, 233.056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

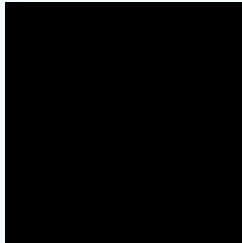
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

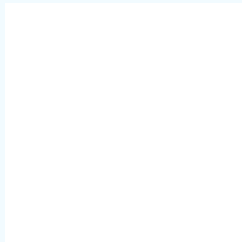
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 98, 3.687, 233.056**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 98, 3.687, 233.056.

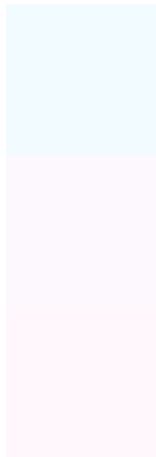


This preview shows how white text looks on a background with the CIELCh color 98, 3.687, 233.056.

# 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, 3.687, 233.056

### Protanopia

98, 2.933, 318.815

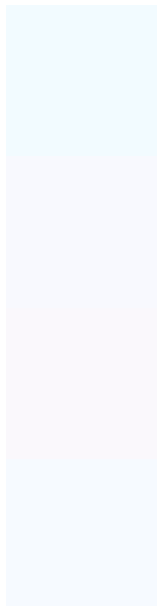
### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.084, 283.981

# Trichromacy



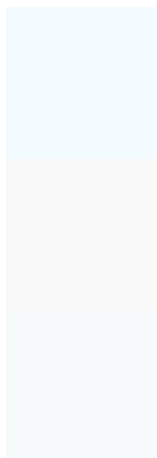
**Original Color**  
98, 3.687, 233.056

**Protanomaly**  
98, 2.578, 282.661

**Deuteranomaly**  
98, 2.176, 309.073

**Tritanomaly**  
98, 2.889, 261.773

# Monochromacy



**Original Color**  
98, 3.687, 233.056

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
98, 1.479, 219.958

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 3.687, 233.056 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(242, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 251, 255)  
}
```

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(242, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 251, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 3.687, 233.056 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(242, 251, 255) }
```

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

```
.border{ border-color:rgb(242, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 3.687, 233.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 251, 255) }
```

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

```
.background{ background-color: rgb(242,  
251, 255) }
```

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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