

# Converting Colors

CIELCh(98, 2.483, 243.844)

Have a look what the booklet for  
CIELCh(98, 2.483, 243.844) contains.

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# **Color**

**CIELCh(98, 2.300, 241.396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FAFD
RGB	245, 250, 253
RGB Percent	96%, 98%, 99%
CMY	0.0390, 0.0194, 0.0077
CMYK	0.03, 0.01, 0.00, 0.01
HSL	202°, 67%, 98%
HSV	202°, 3%, 99%
XYZ	89.6099, 94.9163, 106.5657
YIQ	248.8470, -3.9430, -0.1270

# Conversions

## Conversions Part 2

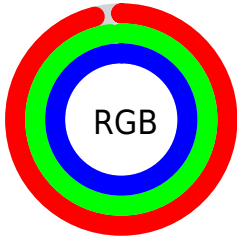
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 248, 253
Decimal	16120573
CIE Lab	98.00, -1.10, -2.02
CIE LCh	98, 2.300, 241.396
Yxy	94.9163, 0.3078, 0.3261
Android (android.graphics.Color)	4294310653 (0xFFFF5FADF)
YUV	248.8470, 2.0474, -3.3738
Hunter-Lab	97.4250, -6.3123, 3.3447

# Details

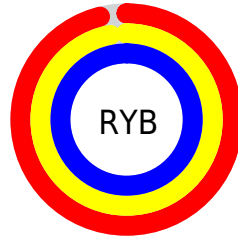
The CIELCh color 98, 2.300, 241.396 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.319, 60.251, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 2.098, 230.254 is the 20% darker color. If you saturate the color by 10%, you get 94, 9.413, 242.277, and if you desaturate by 10%, it is 100, 0.978, 110.026.

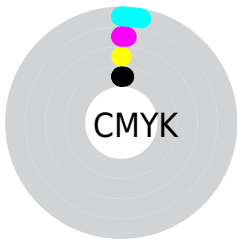
# Distribution



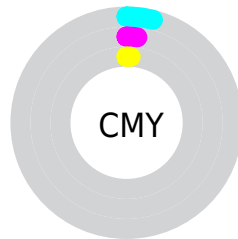
- Red (96%)
- Green (98%)
- Blue (99%)



- Red (96%)
- Yellow (97%)
- Blue (99%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)



- Cyan (4%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 2.300, 241.396 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, 2.300, 241.396 by changing the saturation by 10% instead.



 98, 2.300, 241.396

 98, 2.300, 241.396

 100, 2.300,  
241.396

 88, 2.300, 241.396

 78, 2.300, 241.396

 68, 2.300, 241.396

 58, 2.300, 241.396

 48, 2.300, 241.396

 38, 2.300, 241.396

 28, 2.300, 241.396

 18, 2.300, 241.396

 8, 2.300, 241.396

98, 2.300, 241.396

98, 2.300, 241.396

94, 9.413, 242.277

100, 0.978,  
110.026

90, 16.267,  
243.633

86, 22.797,  
245.324

82, 28.941,  
247.415

78, 34.646,  
249.986

75, 39.893,  
253.121

71, 44.708,  
256.880

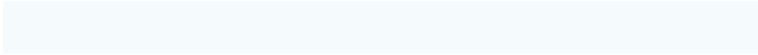
68, 49.186,  
261.276

■ 65, 53.494,  
266.225

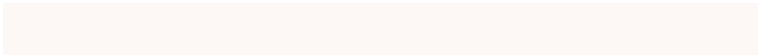
# Harmonies

# Complementary

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



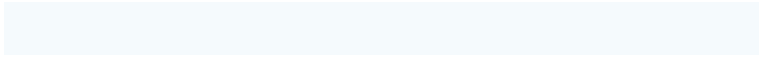
98, 2.300, 241.396



98, 2.319, 60.251

# Rectangle

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



98, 2.300, 241.396



98, 2.300, 291.396



98, 2.300, 61.396



98, 2.300, 111.396

# Sweetspot

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



98, 2.300, 241.333



100, 0.738, 241.630



99, 3.824, 156.996



53, 0.420, 241.664



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, 2.300, 241.333



98, 2.923, 241.369



97, 3.567, 284.517



52, 2.074, 241.418



48, 45.185, 268.804



15, 19.094, 261.545



# Inverse Universe

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



97, 3.827, 337.581



97, 4.874, 337.666



99, 3.529, 103.752



52, 3.466, 337.736



42, 71.210, 350.811

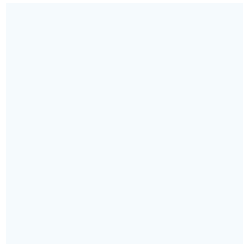


11, 33.576, 347.176



# Previews

## White Background



This preview shows how the CIE LCh color 98, 2.300, 241.396 looks on a white background.

## Color Contrast Check

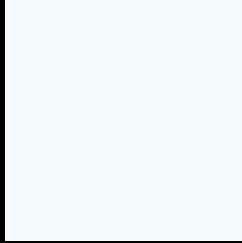
Large Text (above 18pt) WCAG AA × Fail

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, 2.300, 241.396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

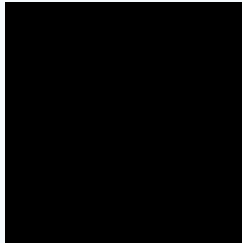
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

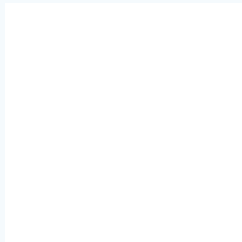
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 98, 2.300, 241.396

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 2.300, 241.396.

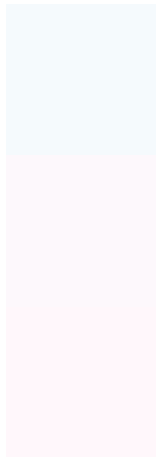


This preview shows how white text looks on a background with the CIELCh color 98, 2.300, 241.396.

# 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, 2.300, 241.396

### Protanopia

98, 2.713, 330.516

### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.070, 290.433

# Trichromacy



**Original Color**

98, 2.300, 241.396

**Protanomaly**

98, 1.584, 303.067

**Deuteranomaly**

98, 2.316, 317.263

**Tritanomaly**

98, 2.578, 282.661

# Monochromacy



**Original Color**

98, 2.300, 241.396

**Achromatopsia**

98, 0.011, 296.813

**Achromatomaly**

98, 0.623, 256.213

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 98, 2.300, 241.396 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(245, 250, 253)` looks like.

```
.text, #text, p{  
    color:rgb(245, 250, 253)  
}
```

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(245, 250, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 250, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 2.300, 241.396 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(245, 250, 253) }
```

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

```
.border{ border-color:rgb(245, 250, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 250, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 250, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 250, 253); box-shadow:4px 4px 4px 4px rgb(245, 250, 253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 2.300, 241.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 250, 253) }
```

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

```
.background{ background-color: rgb(245,  
250, 253) }
```

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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