

# Converting Colors

CIE LCh(98, 2.179, 262.676)

Have a look what the booklet for  
CIELCh(98, 2.179, 262.676) contains.

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# Color

**CIELCh(98, 1.845, 255.948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FAFD
RGB	247, 250, 253
RGB Percent	97%, 98%, 99%
CMY	0.0328, 0.0210, 0.0093
CMYK	0.02, 0.01, 0.00, 0.01
HSL	210°, 56%, 98%
HSV	210°, 2%, 99%
XYZ	89.9685, 94.9163, 106.1967
YIQ	249.4450, -2.7510, 0.2970

# Conversions

## Conversions Part 2

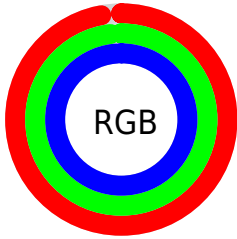
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 249, 253
Decimal	16251645
CIE Lab	98.00, -0.45, -1.79
CIE LCh	98, 1.845, 255.948
Yxy	94.9163, 0.3091, 0.3261
Android (android.graphics.Color)	4294441725 (0xFF7FAFD)
YUV	249.4450, 1.7526, -2.1443
Hunter-Lab	97.4250, -5.6552, 3.5693

# Details

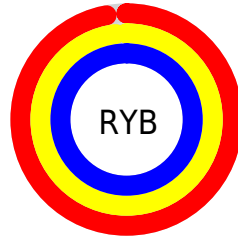
The CIELCh color 98, 1.845, 255.948 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 1.838, 74.818, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 1.523, 244.444 is the 20% darker color. If you saturate the color by 10%, you get 93, 9.538, 257.057, and if you desaturate by 10%, it is 100, 1.191, 110.024.

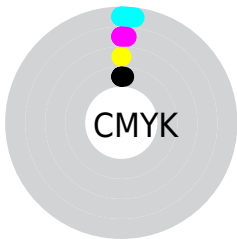
# Distribution



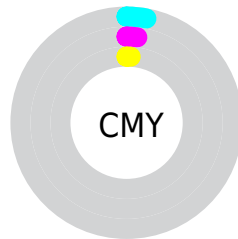
- Red (97%)
- Green (98%)
- Blue (99%)



- Red (97%)
- Yellow (98%)
- Blue (99%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 1.845, 255.948 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, 1.845, 255.948 by changing the saturation by 10% instead.



 98, 1.845, 255.948

 98, 1.845, 255.948

 100, 1.845,  
255.948

 88, 1.845, 255.948

 78, 1.845, 255.948

 68, 1.845, 255.948

 58, 1.845, 255.948

 48, 1.845, 255.948

 38, 1.845, 255.948

 28, 1.845, 255.948

 18, 1.845, 255.948

 8, 1.845, 255.948

98, 1.845, 255.948

98, 1.845, 255.948

93, 9.538, 257.057

100, 1.191,  
110.024

88, 17.146,  
258.669

83, 24.638,  
260.607

79, 31.989,  
262.924

74, 39.189,  
265.682

69, 46.254,  
268.930

65, 53.240,  
272.686

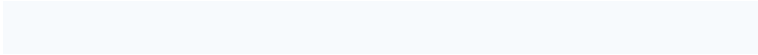
61, 60.244,  
276.905

■ 57, 67.387,  
281.453

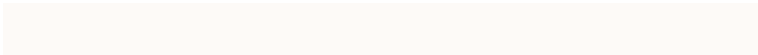
# Harmonies

# Complementary

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



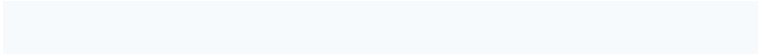
98, 1.845, 255.948



98, 1.838, 74.818

# Rectangle

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



98, 1.845, 255.948



98, 1.845, 305.948



98, 1.845, 75.948



98, 1.845, 125.948

# Sweetspot

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



98, 1.844, 255.874



99, 0.788, 256.026



99, 2.633, 162.754



53, 0.448, 256.049



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

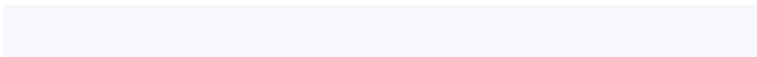
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 1.844, 255.874



98, 2.345, 255.904



97, 3.022, 289.773



52, 1.776, 255.968



41, 58.229, 284.120

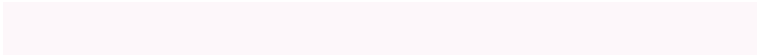


12, 23.704, 277.560

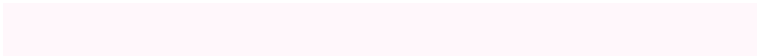


# Inverse Universe

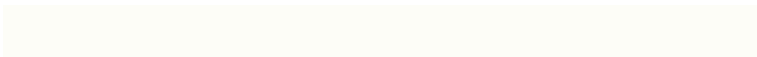
The Inverse Universe completely reimagines the original color for something new.



98, 2.626, 343.624



98, 3.345, 343.715



99, 2.985, 109.251



52, 2.537, 343.812



41, 68.254, 2.048



10, 31.875, 356.459



# Previews

## White Background



This preview shows how the CIE LCh color 98, 1.845, 255.948 looks on a white background.

## Color Contrast Check

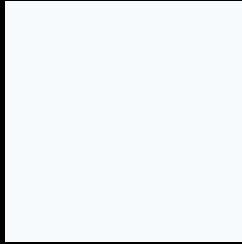
Large Text (above 18pt) WCAG AA × Fail

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, 1.845, 255.948 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

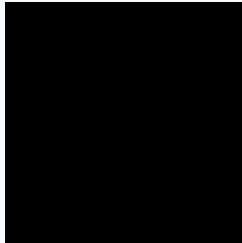
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 1.845, 255.948

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 1.845, 255.948.

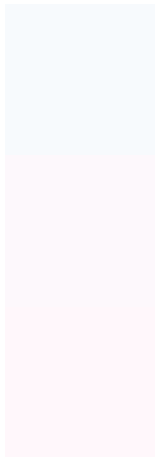


This preview shows how white text looks on a background with the CIELCh color 98, 1.845, 255.948.

# 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, 1.845, 255.948

### Protanopia

98, 2.713, 330.516

### Deuteranopia

98, 3.497, 343.770



**Tritanopia**  
98, 3.070, 290.433

# Trichromacy



**Original Color**

98, 1.845, 255.948

**Protanomaly**

98, 1.700, 314.599

**Deuteranomaly**

98, 2.498, 324.407

**Tritanomaly**

98, 2.578, 282.661

# Monochromacy



**Original Color**

98, 1.845, 255.948

**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, 1.845, 255.948 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(247, 250, 253)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 250, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 250, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 98, 1.845, 255.948 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(247, 250, 253) }
```

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

```
.border{ border-color:rgb(247, 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(247, 250, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 250, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 250, 253);  
box-shadow:4px 4px 4px 4px rgb(247, 250,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 98, 1.845, 255.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 250, 253) }
```

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

```
.background{ background-color: rgb(247,  
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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