

# Converting Colors

CIE LCh(99, 2.222, 181.908)

Have a look what the booklet for  
CIELCh(99, 2.222, 181.908) contains.

|  |    |
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# **Color**

**CIELCh(99, 2.153, 185.909)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F7FDFC                     |
| RGB         | 247, 253, 252              |
| RGB Percent | 97%, 99%, 99%              |
| CMY         | 0.0297, 0.0061, 0.0100     |
| CMYK        | 0.02, 0.00, 0.00, 0.01     |
| HSL         | 170°, 66%, 98%             |
| HSV         | 170°, 2%, 99%              |
| XYZ         | 91.4149, 97.4360, 106.4475 |
| YIQ         | 251.0920, -3.2550, -1.5830 |

# Conversions

## Conversions Part 2

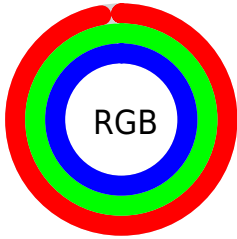
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 247, 250, 253                |
| Decimal                             | 16252412                     |
| CIE Lab                             | 99.00, -2.14, -0.22          |
| CIE LCh                             | 99, 2.153, 185.909           |
| Yxy                                 | 97.4360, 0.3096,<br>0.3300   |
| Android<br>(android.graphics.Color) | 4294442492<br>(0xFF7FD4C1)   |
| YUV                                 | 251.0920, 0.4476,<br>-3.5887 |
| Hunter-Lab                          | 98.7097, -7.4334,<br>5.1591  |

# Details

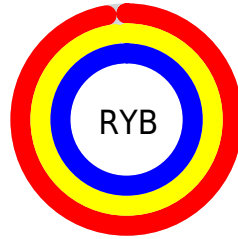
The CIELCh color 99, 2.153, 185.909 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 2.184, 5.706, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 1.907, 183.290 is the 20% darker color. If you saturate the color by 10%, you get 97, 11.106, 184.755, and if you desaturate by 10%, it is 100, 0.976, 324.159.

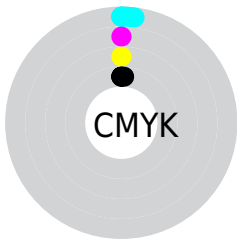
# Distribution



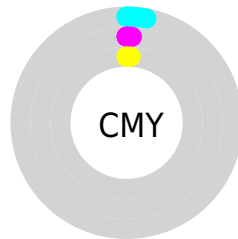
- Red (97%)
- Green (99%)
- Blue (99%)



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



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




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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 2.153, 185.909 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 99, 2.153, 185.909 by changing the saturation by 10% instead.



 99, 2.153, 185.909

 99, 2.153, 185.909

 100, 2.153,  
185.909

 89, 2.153, 185.909

 79, 2.153, 185.909

 69, 2.153, 185.909

 59, 2.153, 185.909

 49, 2.153, 185.909

 39, 2.153, 185.909

 29, 2.153, 185.909

 19, 2.153, 185.909

 9, 2.153, 185.909

99, 2.153, 185.909

99, 2.153, 185.909

97, 11.106,  
184.755

100, 0.976,  
324.159

96, 19.697,  
183.817

94, 27.782,  
182.850


93, 35.203,  
181.829

92, 41.809,  
180.738

91, 47.467,  
179.556

90, 52.086,  
178.259

90, 55.642,  
176.825

 90, 58.190,  
175.237

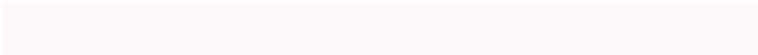
# Harmonies

# Complementary

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



99, 2.153, 185.909



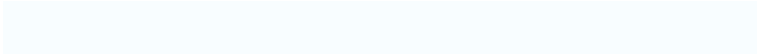
98, 2.184, 5.706

# Rectangle

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



99, 2.153, 185.909



99, 2.153, 235.909



99, 2.153, 5.909



99, 2.153, 55.909

# Sweetspot

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



99, 2.155, 185.864



100, 0.913, 186.376



99, 3.513, 139.273



53, 0.519, 186.416



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

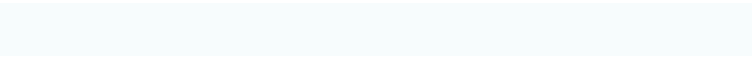
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 2.155, 185.864



99, 2.741, 185.749



99, 1.716, 234.150



53, 2.076, 185.631



69, 48.070, 174.252

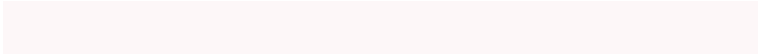


23, 21.570, 176.512

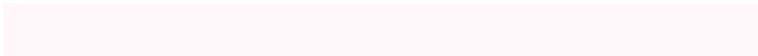


# Inverse Universe

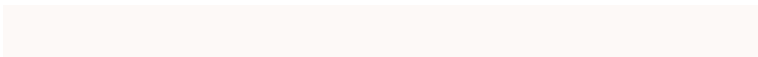
The Inverse Universe completely reimagines the original color for something new.



98, 2.184, 5.706



98, 2.784, 5.822



98, 1.727, 53.110



52, 2.115, 5.942



40, 76.594, 31.940



10, 32.178, 20.279



# Previews

## White Background



This preview shows how the CIE LCh color 99, 2.153, 185.909 looks on a white background.

## Color Contrast Check

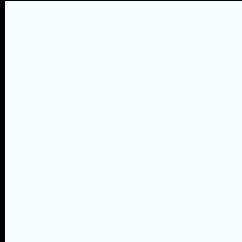
Large Text (above 18pt) WCAG AA × Fail

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 99, 2.153, 185.909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

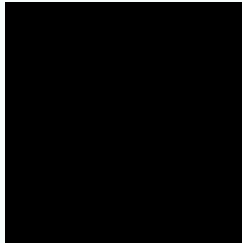
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 2.153, 185.909

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 2.153, 185.909.



This preview shows how white text looks on a background with the CIELCh color 99, 2.153, 185.909.

# 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

A vertical bar on the left side of the page is divided into three colored sections: a light cyan top section, a light pink middle section, and a light yellow bottom section. To the right of these sections are three text blocks, each corresponding to a color vision deficiency type. Each block contains a bold title and a list of three numbers in blue text.

**Original Color**  
99, 2.153, 185.909

**Protanopia**  
99, 1.406, 19.030

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 2.153, 185.909

**Protanomaly**

99, 0.012, 296.813

**Deuteranomaly**

99, 0.012, 296.813

**Tritanomaly**

99, 1.158, 226.033

# Monochromacy



**Original Color**

99, 2.153, 185.909

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.164, 174.061

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 2.153, 185.909 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, 253, 252)` looks like.

```
.text, #text, p{  
    color:rgb(247, 253, 252)  
}
```

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, 253, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 253, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 2.153, 185.909 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, 253, 252) }
```

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

```
.border{ border-color:rgb(247, 253, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 253, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 253, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 253, 252);  
box-shadow:4px 4px 4px 4px rgb(247, 253,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 2.153, 185.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 253, 252) }
```

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

```
.background{ background-color: rgb(247,  
253, 252) }
```

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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