

# Converting Colors

CIELCh(100, 7.307, 150.136)

Have a look what the booklet for  
CIELCh(100, 7.307, 150.136)  
contains.

|  |    |
|--|----|
| <b>CIELCh(99, 5.016, 154.099)</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(99, 5.016, 154.099)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F5FFF8                     |
| RGB         | 245, 255, 248              |
| RGB Percent | 96%, 100%, 97%             |
| CMY         | 0.0404, 0.0012, 0.0287     |
| CMYK        | 0.04, 0.00, 0.03, 0.00     |
| HSL         | 138°, 94%, 98%             |
| HSV         | 138°, 4%, 100%             |
| XYZ         | 90.1039, 97.4360, 102.6129 |
| YIQ         | 251.2120, -3.7130, -4.2970 |

# Conversions

## Conversions Part 2

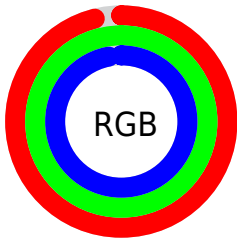
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 245, 253, 255                 |
| Decimal                             | 16121848                      |
| CIE <sub>Lab</sub>                  | 99.00, -4.51, 2.19            |
| CIE <sub>LCh</sub>                  | 99, 5.016, 154.099            |
| Yxy                                 | 97.4360, 0.3105,<br>0.3358    |
| Android<br>(android.graphics.Color) | 4294311928<br>(0xFFFF5FFF8)   |
| YUV                                 | 251.2120, -1.5835,<br>-5.4479 |
| Hunter-Lab                          | 98.7097, -9.8040,<br>7.4623   |

# Details

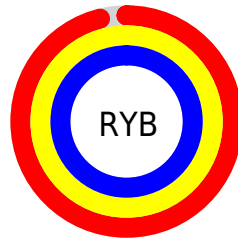
The CIELCh color 99, 5.016, 154.099 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.044, 334.470, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 4.623, 155.423 is the 20% darker color. If you saturate the color by 10%, you get 97, 17.907, 153.284, and if you desaturate by 10%, it is 100, 0.200, 322.900.

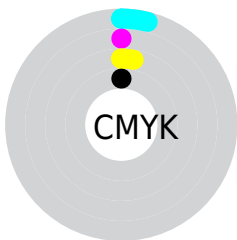
# Distribution



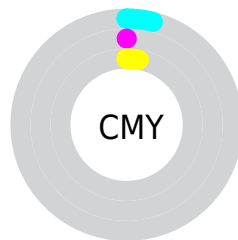
- Red (96%)
- Green (100%)
- Blue (97%)



- Red (96%)
- Yellow (99%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.016, 154.099 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, 5.016, 154.099 by changing the saturation by 10% instead.



 99, 5.016, 154.099

 99, 5.016, 154.099

 100, 5.016,  
154.099

 89, 5.016, 154.099

 79, 5.016, 154.099

 69, 5.016, 154.099

 59, 5.016, 154.099

 49, 5.016, 154.099

 39, 5.016, 154.099

 29, 5.016, 154.099

 19, 5.016, 154.099

 9, 5.016, 154.099

99, 5.016, 154.099

99, 5.016, 154.099

97, 17.907,  
153.284

100, 0.200,  
322.900

95, 30.803,  
152.412

93, 43.526,  
151.414

92, 55.859,  
150.264

91, 67.556,  
148.941

90, 78.365,  
147.430

89, 88.051,  
145.730

88, 96.430,  
143.866

■ 88,103.393,  
141.898

# Harmonies

# Complementary

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



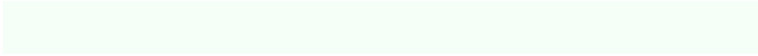
99, 5.016, 154.099



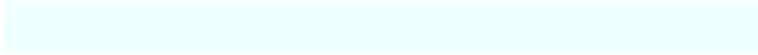
97, 5.044, 334.470

# Rectangle

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



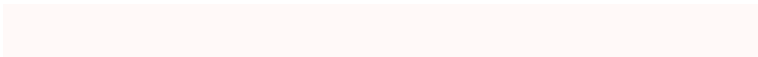
99, 5.016, 154.099



99, 5.016, 204.099



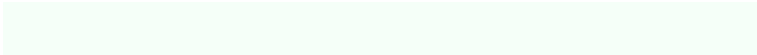
99, 5.016, 334.099



99, 5.016, 24.099

# Sweetspot

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



99, 5.019, 154.094



100, 1.270, 154.535



99, 5.173, 120.954



53, 0.722, 154.555



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, 5.019, 154.094



99, 6.403, 154.001



99, 3.655, 181.800



53, 4.371, 153.943



68, 85.522, 141.091



23, 36.855, 143.976



# Inverse Universe

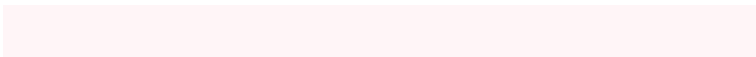
The Inverse Universe completely reimagines the original color for something new.



97, 5.044, 334.470



97, 6.433, 334.560



97, 3.717, 2.186



51, 4.391, 334.617



43, 74.320, 344.931



11, 35.017, 342.347



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.016, 154.099 looks on a white background.

## Color Contrast Check

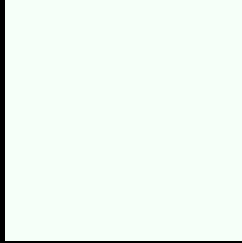
Large Text (above 18pt) WCAG AA × Fail

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, 5.016, 154.099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

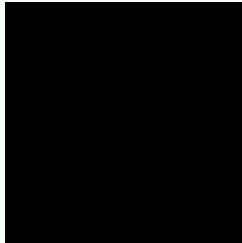
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 5.016, 154.099**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 5.016, 154.099.

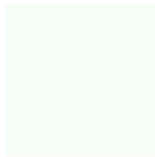


This preview shows how white text looks on a background with the CIELCh color 99, 5.016, 154.099.

# 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

99, 5.016, 154.099



### Protanopia

99, 1.723, 55.170

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 5.016, 154.099

**Protanomaly**

99, 1.558, 123.031

**Deuteranomaly**

99, 1.069, 129.166

**Tritanomaly**

99, 1.486, 179.770

# Monochromacy



**Original Color**

99, 5.016, 154.099



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.463, 155.866

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.016, 154.099 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, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 248)  
}
```

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, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.016, 154.099 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, 255, 248) }
```

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

```
.border{ border-color:rgb(245, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.016, 154.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 248) }
```

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

```
.background{ background-color: rgb(245,  
255, 248) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor