

# Converting Colors

CIELCh(99, 2.918, 199.447)

Have a look what the booklet for  
CIELCh(99, 2.918, 199.447) contains.

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# **Color**

**CIELCh(99, 3.116, 199.419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FEFE
RGB	245, 254, 254
RGB Percent	96%, 100%, 100%
CMY	0.0393, 0.0040, 0.0040
CMYK	0.04, 0.00, 0.00, 0.00
HSL	180°, 82%, 98%
HSV	180°, 4%, 100%
XYZ	90.9726, 97.4360, 107.7629
YIQ	251.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

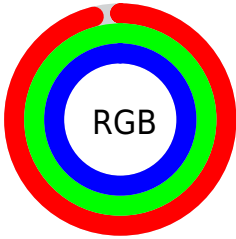
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 250, 254
Decimal	16121598
CIE <sub>Lab</sub>	99.00, -2.94, -1.04
CIE <sub>LCh</sub>	99, 3.116, 199.419
Yxy	97.4360, 0.3072, 0.3290
Android (android.graphics.Color)	4294311678 (0xFF5FEFE)
YUV	251.3090, 1.3267, -5.5330
Hunter-Lab	98.7097, -8.2331, 4.3689

# Details

The CIELCh color 99, 3.116, 199.419 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 3.189, 19.377, 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, 2.903, 199.370 is the 20% darker color. If you saturate the color by 10%, you get 97, 11.616, 198.688, and if you desaturate by 10%, it is 100, 0.356, 16.962.

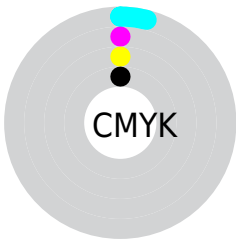
# Distribution



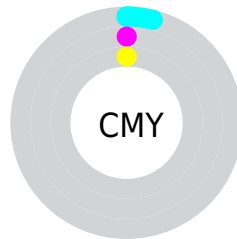
- Red (96%)
- Green (100%)
- Blue (100%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 3.116, 199.419 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, 3.116, 199.419 by changing the saturation by 10% instead.



 99, 3.116, 199.419

 99, 3.116, 199.419

 100, 3.116,  
199.419

 89, 3.116, 199.419

 79, 3.116, 199.419

 69, 3.116, 199.419

 59, 3.116, 199.419

 49, 3.116, 199.419

 39, 3.116, 199.419

 29, 3.116, 199.419

 19, 3.116, 199.419

 9, 3.116, 199.419

99, 3.116, 199.419

99, 3.116, 199.419

97, 11.616,  
198.688

100, 0.356, 16.962

100, 0.356, 16.023

96, 19.564,  
198.170

100, 0.356, 15.087

95, 26.816,  
197.716

100, 0.357, 14.153

100, 0.358, 13.223

93, 33.228,  
197.324

100, 0.358, 12.296

93, 38.670,  
196.996

100, 0.359, 11.373


92, 43.046,  
196.735

100, 0.360, 10.454

100, 0.361, 9.541

91, 46.307,  
196.542

91, 48.469,  
196.412

 91, 49.626,  
196.340

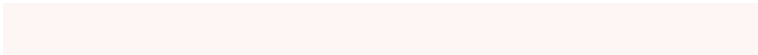
# Harmonies

# Complementary

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



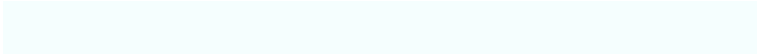
99, 3.116, 199.419



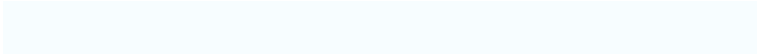
97, 3.189, 19.377

# Rectangle

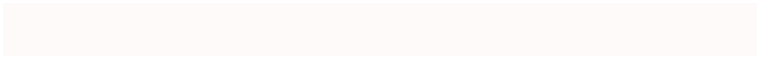
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



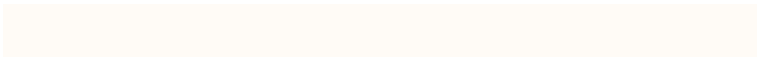
99, 3.116, 199.419



99, 3.116, 249.419



99, 3.116, 19.419



99, 3.116, 69.419

# Sweetspot

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



99, 3.117, 199.381



100, 0.886, 200.059



99, 5.559, 143.858



53, 0.504, 200.101



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

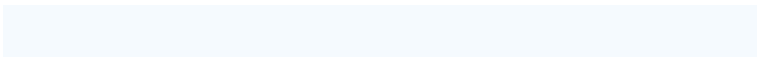
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 3.117, 199.381



99, 3.526, 199.331



98, 2.728, 254.193



53, 2.501, 199.260



70, 40.378, 196.317

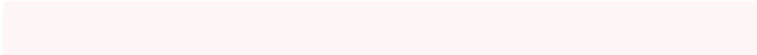


24, 18.575, 196.325

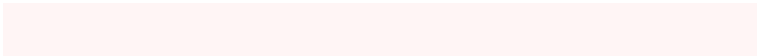


# Inverse Universe

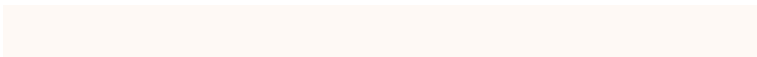
The Inverse Universe completely reimagines the original color for something new.



97, 3.189, 19.377



97, 3.617, 19.429



98, 2.739, 73.002



51, 2.578, 19.506



40, 84.208, 39.982



10, 33.364, 27.158



# Previews

## White Background



This preview shows how the CIElCh color 99, 3.116, 199.419 looks on a white background.

## Color Contrast Check

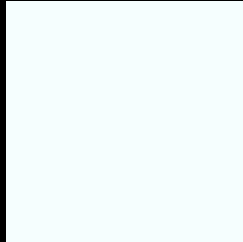
Large Text (above 18pt) WCAG AA × Fail

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, 3.116, 199.419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

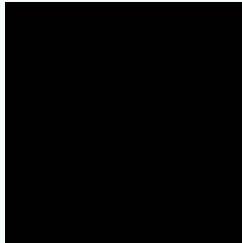
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 3.116, 199.419

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 3.116, 199.419.



This preview shows how white text looks on a background with the CIELCh color 99, 3.116, 199.419.

# 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 rectangular area 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 each section is text describing the color and its corresponding L, M, and S cone response values.

**Original Color**

99, 3.116, 199.419

**Protanopia**

99, 1.502, 359.268

**Deuteranopia**

99, 1.748, 343.501



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 3.116, 199.419

**Protanomaly**

99, 0.621, 256.220

**Deuteranomaly**

99, 0.621, 256.220

**Tritanomaly**

99, 1.714, 236.231

# Monochromacy



**Original Color**

99, 3.116, 199.419



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.045, 199.967

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 3.116, 199.419 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, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(245, 254, 254)  
}
```

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, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 3.116, 199.419 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, 254, 254) }
```

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

```
.border{ border-color:rgb(245, 254, 254) }
```

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

Here you see how a box with a 4 pixel rgb(245, 254, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 3.116, 199.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 254, 254) }
```

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

```
.background{ background-color: rgb(245,  
254, 254) }
```

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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