

# Converting Colors

CIE LCh(99, 2.996, 213.159)

Have a look what the booklet for  
CIELCh(99, 2.996, 213.159) contains.

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# **Color**

**CIELCh(99, 3.146, 208.740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FEFF
RGB	245, 254, 255
RGB Percent	96%, 100%, 100%
CMY	0.0396, 0.0043, 0.0003
CMYK	0.04, 0.00, 0.00, 0.00
HSL	186°, 98%, 98%
HSV	186°, 4%, 100%
XYZ	91.0725, 97.4360, 108.5381
YIQ	251.4230, -5.6850, -1.5970

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 250, 255
Decimal	16121599
CIE Lab	99.00, -2.76, -1.51
CIE LCh	99, 3.146, 208.740
Yxy	97.4360, 0.3066, 0.3280
Android (android.graphics.Color)	4294311679 (0xFF5FEFF)
YUV	251.4230, 1.7635, -5.6330
Hunter-Lab	98.7097, -8.0525, 3.9034

# Details

The CIELCh color 99, 3.146, 208.740 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 3.226, 28.453, 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, 2.938, 209.855 is the 20% darker color. If you saturate the color by 10%, you get 97, 10.876, 208.408, and if you desaturate by 10%, it is 100, 0.034, 107.881.

# Distribution



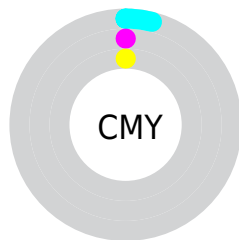
- Red (96%)
- Green (100%)
- Blue (100%)



- 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, 3.146, 208.740 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, 3.146, 208.740 by changing the saturation by 10% instead.



 99, 3.146, 208.740

 99, 3.146, 208.740

 100, 3.146,  
208.740

 89, 3.146, 208.740

 79, 3.146, 208.740

 69, 3.146, 208.740

 59, 3.146, 208.740

 49, 3.146, 208.740

 39, 3.146, 208.740

 29, 3.146, 208.740

 19, 3.146, 208.740

 9, 3.146, 208.740

99, 3.146, 208.740

99, 3.146, 208.740

97, 10.876,  
208.408

100, 0.034,  
107.881

94, 18.087,  
208.343

92, 24.652,  
208.416

91, 30.434,  
208.647

89, 35.308,  
209.068

88, 39.170,  
209.717

86, 41.963,  
210.632

85, 43.693,  
211.855

■ 84, 44.449,  
213.417

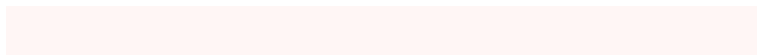
# Harmonies

# Complementary

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



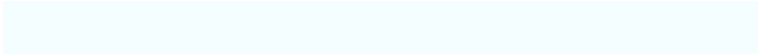
99, 3.146, 208.740



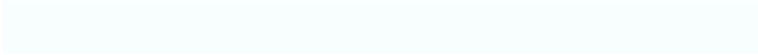
98, 3.226, 28.453

# Rectangle

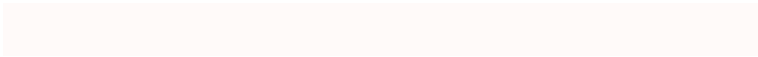
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



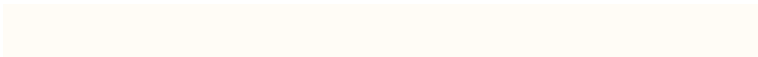
99, 3.146, 208.740



99, 3.146, 258.740



99, 3.146, 28.740



99, 3.146, 78.740

# Sweetspot

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



99, 3.147, 208.698



100, 0.808, 209.369



99, 5.861, 146.600



53, 0.460, 209.413



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

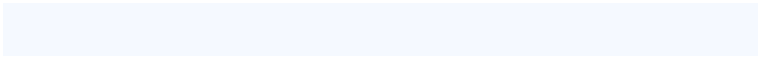
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 3.147, 208.698



99, 4.001, 208.634



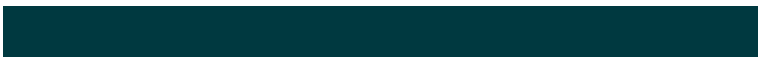
98, 3.293, 264.488



53, 2.725, 208.602



64, 35.954, 214.159



21, 16.704, 211.776



# Inverse Universe

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



97, 5.816, 327.430



97, 7.419, 327.505



99, 3.291, 83.266



51, 5.064, 327.551



44, 86.072, 332.653



12, 39.971, 332.069



# Previews

## White Background



This preview shows how the CIE LCh color 99, 3.146, 208.740 looks on a white background.

## Color Contrast Check

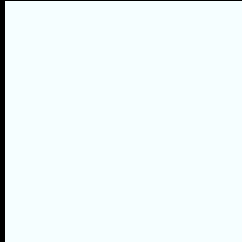
Large Text (above 18pt) WCAG AA × Fail

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, 3.146, 208.740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

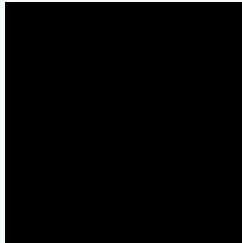
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 3.146, 208.740**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 3.146, 208.740.



This preview shows how white text looks on a background with the CIELCh color 99, 3.146, 208.740.

# 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. Each section contains text describing a color vision condition and its associated L, M, and S cone photoreceptor counts.

### Original Color

99, 3.146, 208.740

### Protanopia

99, 1.748, 343.501

### Deuteranopia

99, 1.748, 343.501



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 3.146, 208.740

**Protanomaly**

99, 1.081, 271.537

**Deuteranomaly**

99, 1.081, 271.537

**Tritanomaly**

99, 1.714, 236.231

# Monochromacy



**Original Color**

99, 3.146, 208.740



**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, 3.146, 208.740 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 254, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 3.146, 208.740 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, 255) }
```

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

```
.border{ border-color:rgb(245, 254, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 3.146, 208.740 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, 255) }
```

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

```
.background{ background-color: rgb(245,  
254, 255) }
```

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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