

# Converting Colors

CIELCh(99, 5.169, 169.050)

Have a look what the booklet for  
CIELCh(99, 5.169, 169.050) contains.

<b>CIELCh(99, 5.216, 170.017)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(99, 5.216, 170.017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFA
RGB	242, 255, 250
RGB Percent	95%, 100%, 98%
CMY	0.0504, 0.0000, 0.0190
CMYK	0.05, 0.00, 0.02, 0.00
HSL	157°, 100%, 97%
HSV	157°, 5%, 100%
XYZ	89.7605, 97.4360, 104.6464
YIQ	250.5430, -6.1430, -4.3110

# Conversions

## Conversions Part 2

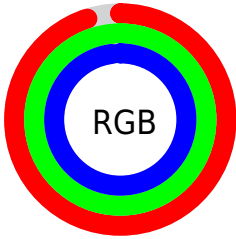
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 250, 255
Decimal	15925242
CIE Lab	99.00, -5.14, 0.90
CIE LCh	99, 5.216, 170.017
Yxy	97.4360, 0.3076, 0.3339
Android (android.graphics.Color)	4294115322 (0xFF F2FFFA)
YUV	250.5430, -0.2677, -7.4922
Hunter-Lab	98.7097, -10.4251, 6.2409

# Details

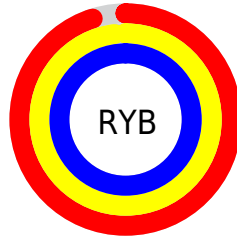
The CIELCh color 99, 5.216, 170.017 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.195, 351.201, and the grayscale version is 98, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 4.889, 173.239 is the 20% darker color. If you saturate the color by 10%, you get 97, 15.259, 169.477, and if you desaturate by 10%, it is 100, 0.012, 296.813.

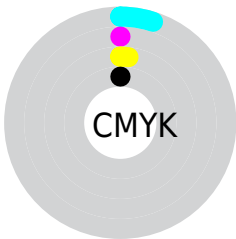
# Distribution



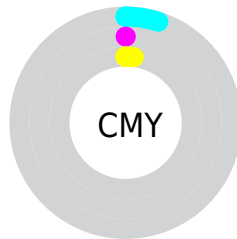
- Red (95%)
- Green (100%)
- Blue (98%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 5.216, 170.017 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, 5.216, 170.017 by changing the saturation by 10% instead.



 99, 5.216, 170.017

 99, 5.216, 170.017

 100, 5.216,  
170.017


 89, 5.216, 170.017

 79, 5.216, 170.017

 69, 5.216, 170.017


 59, 5.216, 170.017

 49, 5.216, 170.017

 39, 5.216, 170.017

 29, 5.216, 170.017

 19, 5.216, 170.017

 9, 5.216, 170.017

99, 5.216, 170.017

99, 5.216, 170.017

97, 15.259,  
169.477

100, 0.012,  
296.813

95, 25.190,  
168.423

94, 34.768,  
167.272

93, 43.822,  
165.995

91, 52.177,  
164.567

91, 59.677,  
162.961

90, 66.210,  
161.154

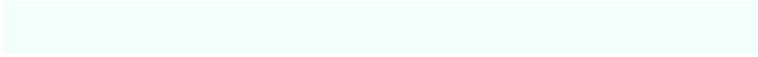
89, 71.735,  
159.133

■ 89,76.311,  
156.905

# Harmonies

# Complementary

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



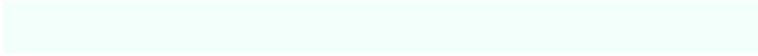
99, 5.216, 170.017



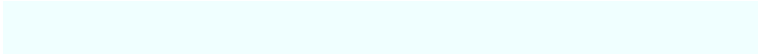
97, 5.195, 351.201

# Rectangle

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



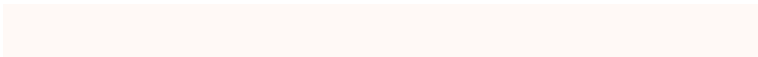
99, 5.216, 170.017



99, 5.216, 220.017



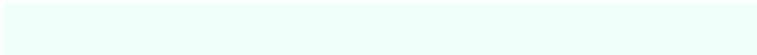
99, 5.216, 350.017



99, 5.216, 40.017

# Sweetspot

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



99, 5.128, 170.500



100, 2.033, 170.934



99, 7.117, 132.854



53, 1.156, 170.957



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, 5.128, 170.500



99, 6.109, 170.394



99, 3.974, 210.413



53, 4.052, 170.325



69, 62.608, 156.198

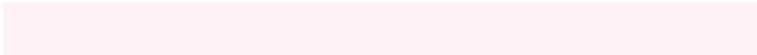


23, 27.258, 159.369



# Inverse Universe

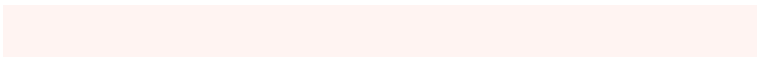
The Inverse Universe completely reimagines the original color for something new.



97, 5.195, 351.201



96, 6.198, 351.308



97, 4.103, 30.232



51, 4.115, 351.379



41, 68.670, 14.032

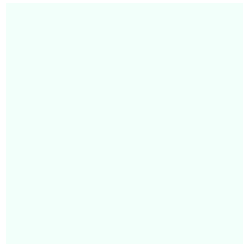


10, 31.282, 6.748



# Previews

## White Background



This preview shows how the CIE LCh color 99, 5.216, 170.017 looks on a white background.

## Color Contrast Check

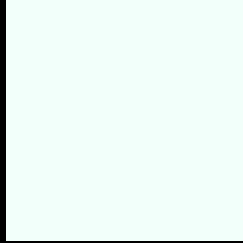
Large Text (above 18pt) WCAG AA × Fail

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, 5.216, 170.017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

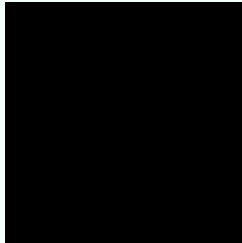
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 5.216, 170.017

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.216, 170.017.

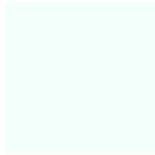


This preview shows how white text looks on a background with the CIELCh color 99, 5.216, 170.017.

# 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, 5.216, 170.017

### Protanopia

99, 1.723, 55.170

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 5.216, 170.017

**Protanomaly**

99, 1.677, 134.742

**Deuteranomaly**

99, 0.862, 164.145

**Tritanomaly**

99, 1.738, 199.673

# Monochromacy



**Original Color**

99, 5.216, 170.017

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.488, 179.768

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 5.216, 170.017 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(242, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 250)  
}
```

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(242, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 5.216, 170.017 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(242, 255, 250) }
```

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

```
.border{ border-color:rgb(242, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 5.216, 170.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 250) }
```

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

```
.background{ background-color: rgb(242,  
255, 250) }
```

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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