

# Converting Colors

CIE LCh(99, 4.090, 170.179)

Have a look what the booklet for  
CIELCh(99, 4.090, 170.179) contains.

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# Color

**CIELCh(99, 4.355, 171.441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFFB
RGB	244, 255, 251
RGB Percent	96%, 100%, 98%
CMY	0.0444, 0.0012, 0.0169
CMYK	0.04, 0.00, 0.02, 0.00
HSL	158°, 95%, 98%
HSV	158°, 4%, 100%
XYZ	90.2172, 97.4360, 105.0543
YIQ	251.2550, -5.2720, -3.5760

# Conversions

## Conversions Part 2

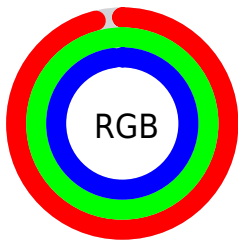
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 251, 255
Decimal	16056315
CIE <sub>Lab</sub>	99.00, -4.31, 0.65
CIE <sub>LCh</sub>	99, 4.355, 171.441
Yxy	97.4360, 0.3082, 0.3329
Android (android.graphics.Color)	4294246395 (0xFF44FF)
YUV	251.2550, -0.1257, -6.3626
Hunter-Lab	98.7097, -9.5993, 5.9959

# Details

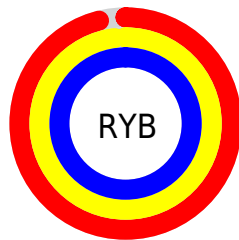
The CIELCh color 99, 4.355, 171.441 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 4.411, 351.961, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 3.997, 175.621 is the 20% darker color. If you saturate the color by 10%, you get 97, 14.393, 170.388, and if you desaturate by 10%, it is 100, 0.206, 322.944.

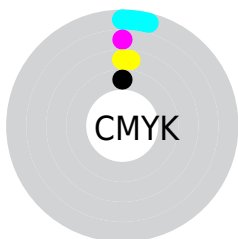
# Distribution



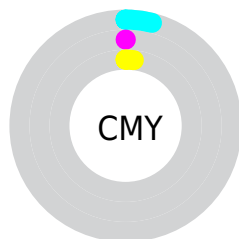
- Red (96%)
- Green (100%)
- Blue (98%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 4.355, 171.441 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, 4.355, 171.441 by changing the saturation by 10% instead.



 99, 4.355, 171.441

 99, 4.355, 171.441

 100, 4.355,  
171.441

 89, 4.355, 171.441

 79, 4.355, 171.441

 69, 4.355, 171.441

 59, 4.355, 171.441

 49, 4.355, 171.441

 39, 4.355, 171.441

 29, 4.355, 171.441

 19, 4.355, 171.441

 9, 4.355, 171.441

99, 4.355, 171.441

99, 4.355, 171.441

97, 14.393,  
170.388

100, 0.206,  
322.944

95, 24.230,  
169.337

94, 33.715,  
168.193

93, 42.679,  
166.929

91, 50.949,  
165.518

91, 58.369,  
163.934

90, 64.826,  
162.153

89, 70.276,  
160.159

 89,74.771,  
157.958

# Harmonies

# Complementary

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



99, 4.355, 171.441



97, 4.411, 351.961

# Rectangle

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



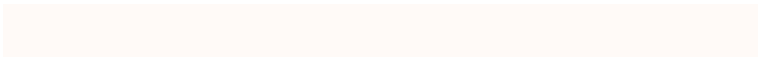
99, 4.355, 171.441



99, 4.355, 221.441



99, 4.355, 351.441



99, 4.355, 41.441

# Sweetspot

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



99, 4.357, 171.426



100, 1.005, 172.144



99, 6.121, 133.438



53, 0.571, 172.177



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, 4.357, 171.426



99, 5.048, 171.346



99, 3.367, 212.229



53, 3.444, 171.268



69, 61.624, 157.087

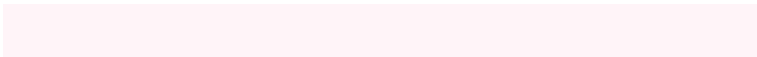


23, 26.868, 160.237



# Inverse Universe

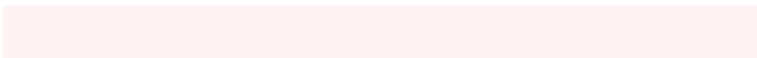
The Inverse Universe completely reimagines the original color for something new.



97, 4.411, 351.961



97, 5.116, 352.042



97, 3.459, 31.906



51, 3.494, 352.121



40, 68.923, 15.301



10, 31.290, 7.863



# Previews

## White Background



This preview shows how the CIElCh color 99, 4.355, 171.441 looks on a white background.

## Color Contrast Check

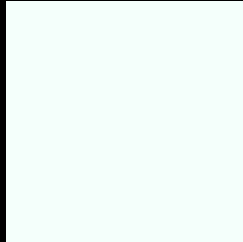
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 99, 4.355, 171.441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

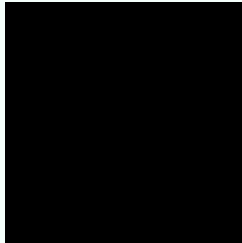
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# **CIELCh 99, 4.355, 171.441**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 4.355, 171.441.

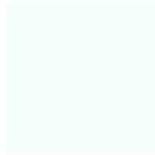


This preview shows how white text looks on a background with the CIELCh color 99, 4.355, 171.441.

# 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, 4.355, 171.441



**Protanopia**  
99, 1.487, 38.999

**Deuteranopia**  
99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 4.355, 171.441

**Protanomaly**

99, 1.069, 129.166

**Deuteranomaly**

99, 0.348, 201.271

**Tritanomaly**

99, 1.738, 199.673

# Monochromacy



**Original Color**

99, 4.355, 171.441



**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, 4.355, 171.441 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(244, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 251)  
}
```

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(244, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.355, 171.441 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(244, 255, 251) }
```

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

```
.border{ border-color:rgb(244, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.355, 171.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 251) }
```

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

```
.background{ background-color: rgb(244,  
255, 251) }
```

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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