

# Converting Colors

CIELCh(100, 6.490, 147.195)

Have a look what the booklet for  
CIELCh(100, 6.490, 147.195)  
contains.

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# Color

**CIELCh(99, 4.548, 147.933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FEF7
RGB	246, 254, 247
RGB Percent	96%, 100%, 97%
CMY	0.0342, 0.0028, 0.0303
CMYK	0.03, 0.00, 0.03, 0.00
HSL	127°, 85%, 98%
HSV	127°, 3%, 100%
XYZ	90.4666, 97.4360, 102.2624
YIQ	250.8100, -2.5210, -3.8730

# Conversions

## Conversions Part 2

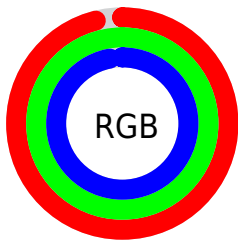
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 253, 254
Decimal	16187127
CIE Lab	99.00, -3.85, 2.41
CIE LCh	99, 4.548, 147.933
Yxy	97.4360, 0.3118, 0.3358
Android (android.graphics.Color)	4294377207 (0xFFFF6FEF7)
YUV	250.8100, -1.8783, -4.2184
Hunter-Lab	98.7097, -9.1482, 7.6729

# Details

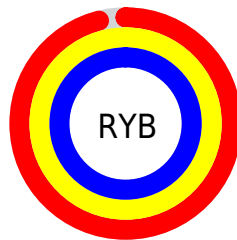
The CIELCh color 99, 4.548, 147.933 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 4.572, 328.153, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 4.127, 148.470 is the 20% darker color. If you saturate the color by 10%, you get 97, 19.171, 147.212, and if you desaturate by 10%, it is 100, 0.455, 323.777.

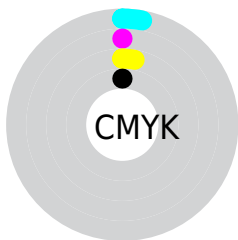
# Distribution



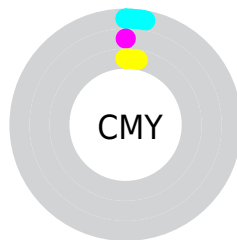
- Red (96%)
- Green (100%)
- Blue (97%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 4.548, 147.933 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, 4.548, 147.933 by changing the saturation by 10% instead.



 99, 4.548, 147.933

 99, 4.548, 147.933

 100, 4.548,  
147.933

 89, 4.548, 147.933

 79, 4.548, 147.933

 69, 4.548, 147.933

 59, 4.548, 147.933

 49, 4.548, 147.933

 39, 4.548, 147.933

 29, 4.548, 147.933

 19, 4.548, 147.933

 9, 4.548, 147.933

99, 4.548, 147.933

99, 4.548, 147.933

97, 19.171,  
147.212

100, 0.455,  
323.777

95, 33.851,  
146.429

93, 48.376,  
145.522

91, 62.471,  
144.471

90, 75.805,  
143.272

89, 88.000,  
141.937

88, 98.649,  
140.507

88, 107.343,  
139.066

■ 88,113.718,  
137.740

# Harmonies

# Complementary

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



99, 4.548, 147.933



98, 4.572, 328.153

# Rectangle

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



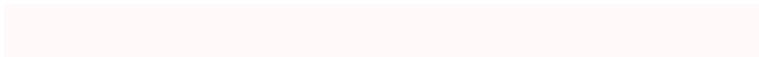
99, 4.548, 147.933



99, 4.548, 197.933



99, 4.548, 327.933



99, 4.548, 17.933

# Sweetspot

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



99, 4.551, 147.931



100, 1.440, 148.225



99, 4.065, 114.507



53, 0.819, 148.240



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, 4.551, 147.931



99, 5.806, 147.863



99, 3.207, 170.338



53, 4.130, 147.806



68, 93.730, 137.207



23, 41.104, 139.249



# Inverse Universe

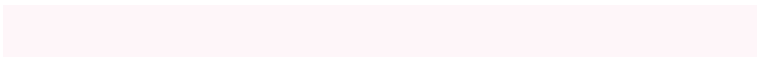
The Inverse Universe completely reimagines the original color for something new.



98, 4.572, 328.153



97, 5.828, 328.220



98, 3.241, 350.568



52, 4.143, 328.273



44, 84.380, 333.942



12, 39.277, 333.171



# Previews

## White Background



This preview shows how the CIELCh color 99, 4.548, 147.933 looks on a white background.

## Color Contrast Check

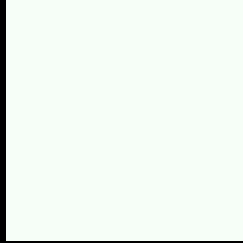
Large Text (above 18pt) WCAG AA × Fail

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, 4.548, 147.933 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

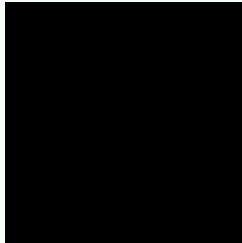
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 4.548, 147.933

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.548, 147.933.

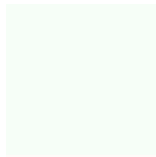


This preview shows how white text looks on a background with the CIELCh color 99, 4.548, 147.933.

# 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, 4.552, 147.932



### Protanopia

99, 1.723, 55.170

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.537, 290.342

# Trichromacy



**Original Color**

99, 4.552, 147.932

**Protanomaly**

99, 2.022, 109.988

**Deuteranomaly**

99, 1.005, 110.026

**Tritanomaly**

99, 1.164, 174.061

# Monochromacy



**Original Color**

99, 4.552, 147.932

**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, 4.548, 147.933 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(246, 254, 247)` looks like.

```
.text, #text, p{  
    color:rgb(246, 254, 247)  
}
```

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(246, 254, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 254, 247) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.548, 147.933 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(246, 254, 247) }
```

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

```
.border{ border-color:rgb(246, 254, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 254, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 254, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 254, 247);  
box-shadow:4px 4px 4px 4px rgb(246, 254,  
247) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.548, 147.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 254, 247) }
```

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

```
.background{ background-color: rgb(246,  
254, 247) }
```

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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