

Converting Colors

CIELCh(99, 5.146, 147.565)

Have a look what the booklet for
CIELCh(99, 5.146, 147.565) contains.

CIELCh(99, 5.170, 147.468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(99, 5.170, 147.468)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFF7
RGB	246, 255, 247
RGB Percent	96%, 100%, 97%
CMY	0.0370, 0.0017, 0.0331
CMYK	0.04, 0.00, 0.03, 0.00
HSL	127°, 91%, 98%
HSV	127°, 4%, 100%
XYZ	90.1884, 97.4360, 101.6906
YIQ	251.3970, -2.7960, -4.3960

Conversions

Conversions Part 2

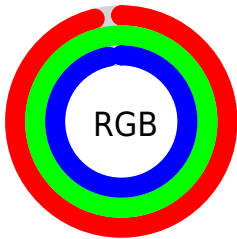
Format	Color
R_{YB}	246, 254, 255
Decimal	16187383
CIE _{Lab}	99.00, -4.36, 2.78
CIE _{LCh}	99, 5.170, 147.468
Yxy	97.4360, 0.3117, 0.3368
Android (android.graphics.Color)	4294377463 (0xFF6FFF7)
YUV	251.3970, -2.1677, -4.7332
Hunter-Lab	98.7097, -9.6513, 8.0163

Details

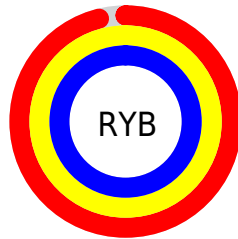
The CIELCh color 99, 5.170, 147.468 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 5.194, 327.752, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 4.776, 147.864 is the 20% darker color. If you saturate the color by 10%, you get 97, 19.957, 146.757, and if you desaturate by 10%, it is 100, 0.284, 323.359.

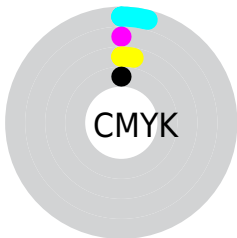
Distribution



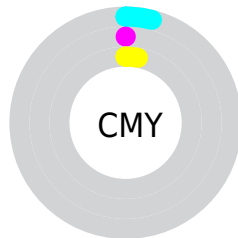
- Red (96%)
- Green (100%)
- Blue (97%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 5.170, 147.468 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, 5.170, 147.468 by changing the saturation by 10% instead.

 99, 5.170, 147.468

 99, 5.170, 147.468

 100, 5.170,
147.468

 89, 5.170, 147.468

 79, 5.170, 147.468

 69, 5.170, 147.468

 59, 5.170, 147.468

 49, 5.170, 147.468

 39, 5.170, 147.468

 29, 5.170, 147.468

 19, 5.170, 147.468

 9, 5.170, 147.468

99, 5.170, 147.468

99, 5.170, 147.468

97, 19.957,
146.757

100, 0.284,
323.359

95, 34.795,
145.975

93, 49.464,
145.066


91, 63.682,
144.017

90, 77.105,
142.822

89, 89.338,
141.499

89, 99.953,
140.097

88, 108.515,
138.707

 88, 114.645,
137.462

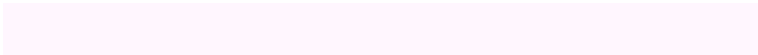
Harmonies

Complementary

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



99, 5.170, 147.468



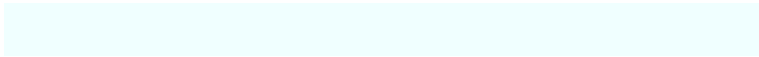
98, 5.194, 327.752

Rectangle

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



99, 5.170, 147.468



99, 5.170, 197.468



99, 5.170, 327.468



99, 5.170, 17.468

Sweetspot

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



99, 5.173, 147.467



100, 1.455, 147.788



100, 4.570, 113.815



53, 0.827, 147.803



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, 5.173, 147.467



99, 5.863, 147.431



99, 3.648, 169.247



53, 4.170, 147.375



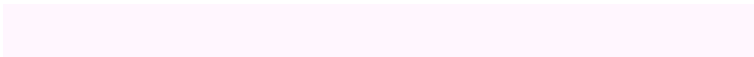
68, 94.153, 137.020



22, 41.402, 138.957

Inverse Universe

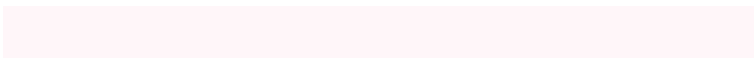
The Inverse Universe completely reimagines the original color for something new.



98, 5.194, 327.752



97, 5.885, 327.786



97, 3.685, 349.586



52, 4.184, 327.840



44, 85.301, 333.227



12, 39.655, 332.561

Previews

White Background



This preview shows how the CIE LCh color 99, 5.170, 147.468 looks on a white background.

Color Contrast Check

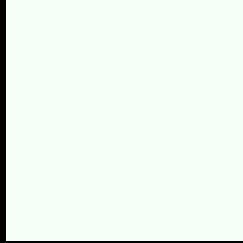
Large Text (above 18pt) WCAG AA × Fail

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, 5.170, 147.468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

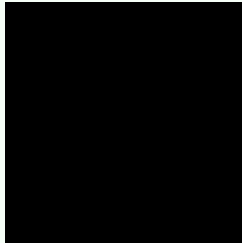
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 5.170, 147.468

Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.170, 147.468.



This preview shows how white text looks on a background with the CIELCh color 99, 5.170, 147.468.

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 bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

Original Color

99, 5.170, 147.468

Protanopia

99, 2.059, 66.765

Deuteranopia

99, 1.502, 359.268

Tritanopia
99, 1.537, 290.342

Trichromacy



Original Color

99, 5.170, 147.468

Protanomaly

99, 2.530, 109.957

Deuteranomaly

99, 1.005, 110.026

Tritanomaly

99, 1.164, 174.061

Monochromacy



Original Color

99, 5.170, 147.468

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.855, 144.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 5.170, 147.468 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, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 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, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 5.170, 147.468 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, 255, 247) }
```

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

```
.border{ border-color:rgb(246, 255, 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, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 5.170, 147.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 247) }
```

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

```
.background{ background-color: rgb(246,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor