

Converting Colors

CIELCh(97, 49.728, 108.890)

Have a look what the booklet for
CIELCh(97, 49.728, 108.890)
contains.

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Color

CIELCh(97, 49.865, 109.073)

Conversions

Conversions Part 1

Format	Color
Hex	F7FD99
RGB	247, 253, 153
RGB Percent	97%, 99%, 60%
CMY	0.0308, 0.0073, 0.3995
CMYK	0.02, 0.00, 0.40, 0.01
HSL	64°, 96%, 80%
HSV	64°, 40%, 99%
XYZ	79.3354, 92.4403, 43.8543
YIQ	239.8060, 28.5240, -32.3720

Conversions

Conversions Part 2

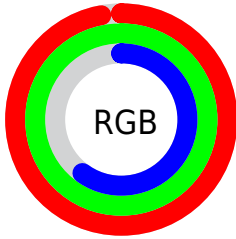
Format	Color
RYB	153, 253, 159
Decimal	16252313
CIELab	97.00, -16.29, 47.13
CIELCh	97, 49.865, 109.073
Yxy	92.4403, 0.3679, 0.4287
Android (android.graphics.Color)	4294442393 (0xFFFF7FD99)
YUV	239.8060, -42.7954, 6.3091
Hunter-Lab	96.1459, -20.9648, 40.2586

Details

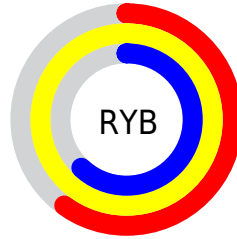
The CIELCh color **97, 49.865, 109.073** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 55.242, 297.296**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **77, 49.644, 108.964** is the 20% darker color. If you saturate the color by 10%, you get **97, 61.591, 108.268**, and if you desaturate by 10%, it is **97, 37.592, 109.936**.

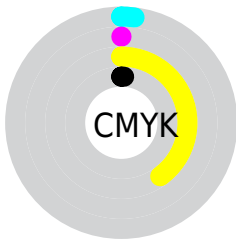
Distribution



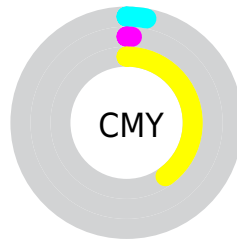
- Red (97%)
- Green (99%)
- Blue (60%)



- Red (60%)
- Yellow (99%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (1%)





- Cyan (3%)
- Magenta (1%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 49.865, 109.073 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 97, 49.865, 109.073 by changing the saturation by 10% instead.


 97, 49.865,
109.073

 97, 49.865,
109.073

 100, 49.865,
109.073


 87, 49.865,
109.073

 77, 49.865,
109.073

 67, 49.865,
109.073

 57, 49.865,
109.073

 47, 49.865,
109.073

 37, 49.865,
109.073

 27, 49.865,

109.073

■ 17, 49.865,
109.073

■ 7, 49.865, 109.073

■ 97, 49.865,
109.073

■ 97, 49.865,
109.073

■ 97, 61.591,
108.268

■ 97, 37.592,
109.936

■ 96, 72.422,
107.551

■ 98, 24.993,
110.820

■ 96, 81.869,
106.976

■ 99, 12.215,
111.705

■ 96, 89.322,
106.600

■ 99, 0.646, 292.660

■ 100, 1.112,

■ 96, 94.223,
106.479

320.332

■ 95, 96.560,
106.612

100, 1.162,
324.216

■ 95, 96.649,
106.622

Harmonies

Complementary

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



97, 49.865, 109.073



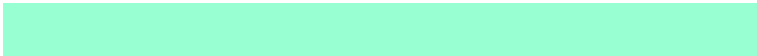
68, 55.242, 297.296

Rectangle

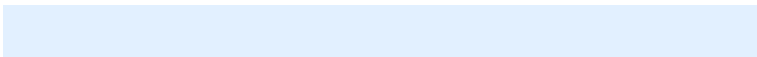
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 49.865, 109.073



97, 49.865, 159.073



97, 49.865, 289.073



97, 49.865, 339.073

Sweetspot

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



97, 49.867, 109.076



99, 15.502, 111.485



75, 38.971, 26.817



53, 10.279, 111.370



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

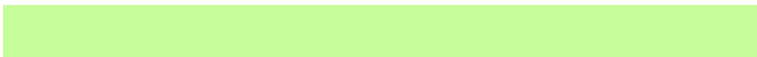
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 49.867, 109.076



97, 59.066, 108.462



94, 54.392, 128.947



53, 7.348, 111.705



74, 78.271, 106.559



26, 35.572, 106.311

Inverse Universe

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



68, 55.242, 297.296



62, 67.138, 298.551



72, 57.203, 312.669



49, 7.514, 293.433



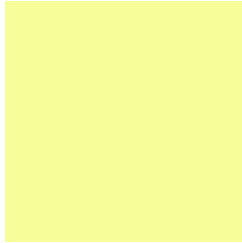
23, 107.481, 306.458



4, 44.271, 302.958

Previews

White Background



This preview shows how the CIE LCh color 97, 49.865, 109.073 looks on a white background.

Color Contrast Check

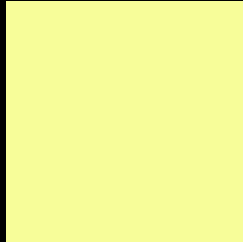
Large Text (above 18pt) WCAG AA × Fail

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 97, 49.865, 109.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

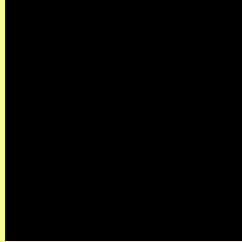
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 49.865, 109.073

Background



This preview shows how black text looks on a background with the CIELCh color 97, 49.865, 109.073.

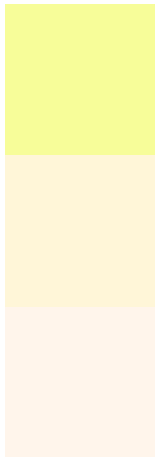


This preview shows how white text looks on a background with the CIELCh color 97, 49.865, 109.073.

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
97, 49.865, 109.073

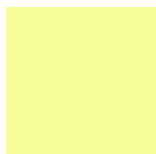
Protanopia
97, 15.619, 96.669

Deuteranopia
97, 6.218, 74.387

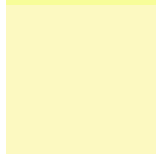


Tritanopia
97, 8.100, 324.685

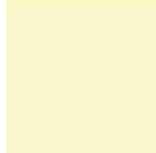
Trichromacy



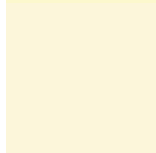
Original Color
97, 49.865, 109.073



Protanomaly
97, 28.372, 105.676



Deuteranomaly
97, 21.878, 104.556

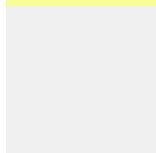


Tritanomaly
97, 14.417, 100.248

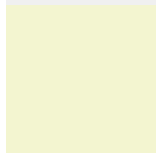
Monochromacy



Original Color
97, 49.865, 109.073



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 18.868, 110.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 49.865, 109.073 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(247, 253, 153)` looks like.

```
.text, #text, p{  
    color:rgb(247, 253, 153)  
}
```

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(247, 253, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 253, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 49.865, 109.073 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(247, 253, 153) }
```

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

```
.border{ border-color:rgb(247, 253, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 253, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 253, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 253, 153);  
box-shadow:4px 4px 4px 4px rgb(247, 253,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 49.865, 109.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 253, 153) }
```

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

```
.background{ background-color: rgb(247,  
253, 153) }
```

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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