

Converting Colors

CIELCh(97, 50.674, 103.702)

Have a look what the booklet for
CIELCh(97, 50.674, 103.702)
contains.

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Color

CIELCh(97, 50.840, 104.444)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB95
RGB	255, 251, 149
RGB Percent	100%, 98%, 58%
CMY	0.0000, 0.0156, 0.4156
CMYK	0.00, 0.02, 0.42, 0.00
HSL	58°, 100%, 79%
HSV	58°, 42%, 100%
XYZ	81.1762, 92.4403, 42.0054
YIQ	240.5680, 35.1260, -30.8740

Conversions

Conversions Part 2

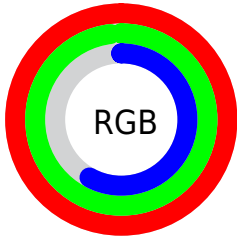
Format	Color
R _Y B	153, 255, 149
Decimal	16776085
CIE Lab	97.00, -12.68, 49.23
CIE LCh	97, 50.840, 104.444
Yxy	92.4403, 0.3765, 0.4287
Android (android.graphics.Color)	4294966165 (0xFFFFFB95)
YUV	240.5680, -45.1430, 12.6569
Hunter-Lab	96.1459, -17.5473, 41.3988

Details

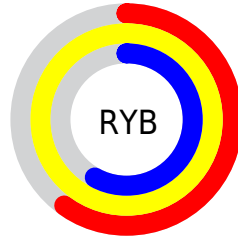
The CIELCh color **97, 50.840, 104.444** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **67, 56.322, 294.518**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **77, 51.006, 104.444** is the 20% darker color. If you saturate the color by 10%, you get **96, 62.183, 103.499**, and if you desaturate by 10%, it is **98, 38.947, 105.452**.

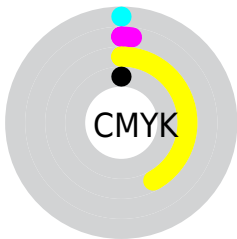
Distribution



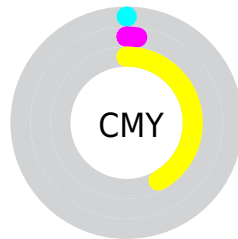
- Red (100%)
- Green (98%)
- Blue (58%)



- Red (60%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (2%)
- Yellow (42%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 50.840, 104.444 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, 50.840, 104.444 by changing the saturation by 10% instead.

 97, 50.840,
104.444

 97, 50.840,
104.444

 100, 50.840,
104.444

 87, 50.840,
104.444

 77, 50.840,
104.444

 67, 50.840,
104.444

 57, 50.840,
104.444

 47, 50.840,
104.444

 37, 50.840,
104.444

 27, 50.840,

104.444

■ 17, 50.840,
104.444

■ 7, 50.840, 104.444

■ 97, 50.840,
104.444

■ 97, 50.840,
104.444

■ 96, 62.183,
103.499

■ 98, 38.947,
105.452

■ 96, 72.604,
102.612

■ 98, 26.740,
106.467

■ 96, 81.576,
101.827

■ 99, 14.370,
107.480

■ 95, 88.446,
101.179

■ 100, 1.932,
108.440

■ 95, 92.644,
100.689

100, 0.012,
296.813

■ 95, 94.223,
100.383

Harmonies

Complementary

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



97, 50.840, 104.444



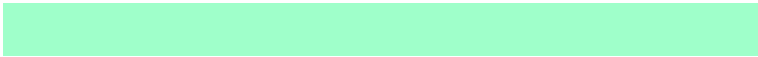
67, 56.322, 294.518

Rectangle

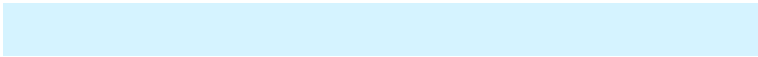
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 50.840, 104.444



97, 50.840, 154.444



97, 50.840, 284.444



97, 50.840, 334.444

Sweetspot

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



97, 50.841, 104.455



99, 14.916, 107.436



73, 42.849, 19.942



53, 9.892, 107.304



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

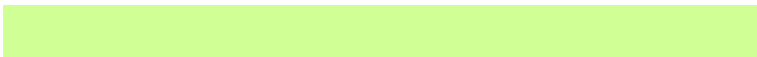
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 50.841, 104.455



97, 60.462, 103.645



95, 55.961, 125.280



53, 7.068, 107.686



73, 75.927, 100.427



25, 34.497, 100.900

Inverse Universe

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



67, 56.322, 294.518



60, 68.970, 296.235



70, 59.927, 309.593



49, 7.217, 289.666



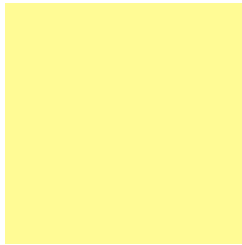
23, 106.101, 305.855



4, 42.938, 301.131

Previews

White Background



This preview shows how the CIE LCh color 97, 50.840, 104.444 looks on a white background.

Color Contrast Check

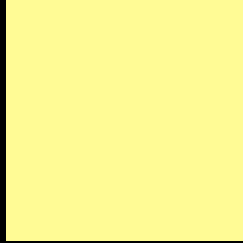
Large Text (above 18pt) WCAG AA × Fail

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 97, 50.840, 104.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

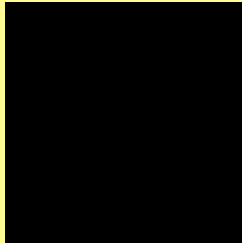
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 50.840, 104.444

Background



This preview shows how black text looks on a background with the CIELCh color 97, 50.840, 104.444.

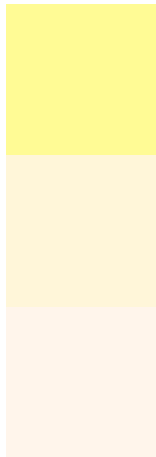


This preview shows how white text looks on a background with the CIELCh color 97, 50.840, 104.444.

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, 50.840, 104.444

Protanopia

97, 15.122, 96.315

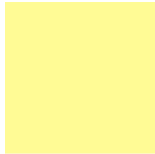
Deuteranopia

97, 6.218, 74.387



Tritanopia
97, 5.909, 335.926

Trichromacy



Original Color
97, 50.840, 104.444



Protanomaly
97, 28.492, 102.588



Deuteranomaly
97, 22.045, 100.630

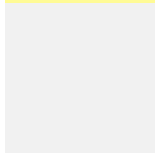


Tritanomaly
97, 16.616, 97.306

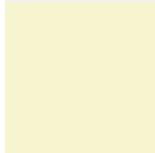
Monochromacy



Original Color
97, 50.840, 104.444



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 18.846, 107.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 50.840, 104.444 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(255, 251, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 149)  
}
```

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(255, 251, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 50.840, 104.444 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(255, 251, 149) }
```

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

```
.border{ border-color:rgb(255, 251, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 50.840, 104.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 149) }
```

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

```
.background{ background-color: rgb(255,  
251, 149) }
```

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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