

Converting Colors

CIELCh(97, 48.359, 103.903)

Have a look what the booklet for
CIELCh(97, 48.359, 103.903)
contains.

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Color

CIELCh(97, 48.461, 104.549)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB9A
RGB	255, 251, 154
RGB Percent	100%, 98%, 60%
CMY	0.0007, 0.0163, 0.3967
CMYK	0.00, 0.02, 0.40, 0.00
HSL	58°, 100%, 80%
HSV	58°, 40%, 100%
XYZ	81.4370, 92.4403, 44.0510
YIQ	241.1380, 33.5210, -29.3190

Conversions

Conversions Part 2

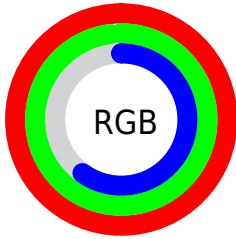
Format	Color
R _Y B	158, 255, 154
Decimal	16776090
CIE Lab	97.00, -12.17, 46.91
CIE LCh	97, 48.461, 104.549
Yxy	92.4403, 0.3737, 0.4242
Android (android.graphics.Color)	4294966170 (0xFFFFFB9A)
YUV	241.1380, -42.9590, 12.1570
Hunter-Lab	96.1459, -17.0631, 40.1373

Details

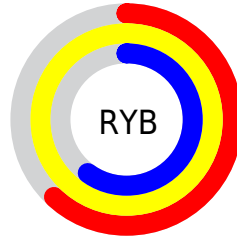
The CIELCh color **97, 48.461, 104.549** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 53.335, 294.074**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **77, 48.641, 104.623** is the 20% darker color. If you saturate the color by 10%, you get **96, 59.913, 103.583**, and if you desaturate by 10%, it is **98, 36.518, 105.557**.

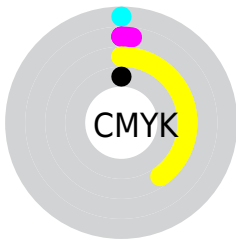
Distribution



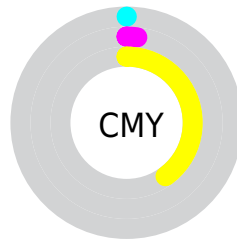
- Red (100%)
- Green (98%)
- Blue (60%)



- Red (62%)
- Yellow (100%)
- Blue (60%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 48.461, 104.549 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, 48.461, 104.549 by changing the saturation by 10% instead.

 97, 48.461,
104.549

 97, 48.461,
104.549

 100, 48.461,
104.549

 87, 48.461,
104.549

 77, 48.461,
104.549

 67, 48.461,
104.549

 57, 48.461,
104.549

 47, 48.461,
104.549

 37, 48.461,
104.549

 27, 48.461,

104.549

■ 17, 48.461,
104.549

■ 7, 48.461, 104.549

■ 97, 48.461,
104.549

■ 97, 48.461,
104.549

■ 96, 59.913,
103.583

■ 98, 36.518,
105.557

■ 96, 70.531,
102.675

■ 98, 24.299,
106.575

■ 95, 79.819,
101.862

■ 99, 11.940,
107.587

■ 95, 87.139,
101.178

■ 100, 0.083,
282.131

■ 95, 91.876,
100.647

100, 0.062,
210.233

■ 94, 93.978,
100.260

■ 94, 94.036,
100.246

Harmonies

Complementary

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



97, 48.461, 104.549



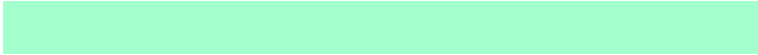
68, 53.335, 294.074

Rectangle

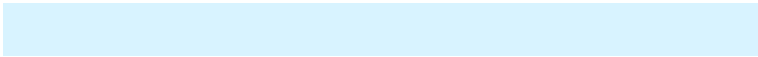
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 48.461, 104.549



97, 48.461, 154.549



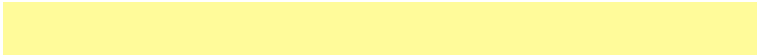
97, 48.461, 284.549



97, 48.461, 334.549

Sweetspot

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



97, 48.463, 104.552



99, 14.886, 107.349



74, 40.607, 19.601



53, 9.872, 107.217



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

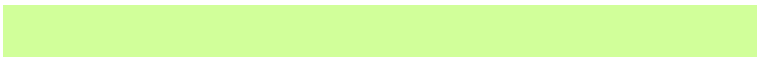
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 48.463, 104.552



97, 58.127, 103.737



95, 53.423, 125.370



53, 7.054, 107.599



73, 75.818, 100.293



25, 34.443, 100.784

Inverse Universe

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



68, 53.335, 294.074



62, 65.789, 295.735



71, 57.001, 309.473



49, 7.202, 289.582



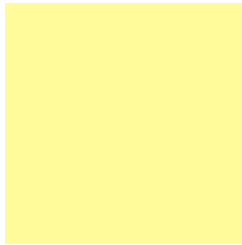
23, 106.013, 305.832



4, 42.874, 301.096

Previews

White Background



This preview shows how the CIE LCh color 97, 48.461, 104.549 looks on a white background.

Color Contrast Check

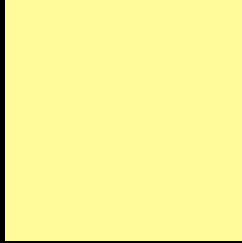
Large Text (above 18pt) WCAG AA × Fail

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, 48.461, 104.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

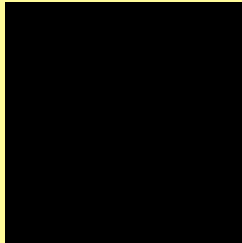
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 48.461, 104.549

Background



This preview shows how black text looks on a background with the CIELCh color 97, 48.461, 104.549.

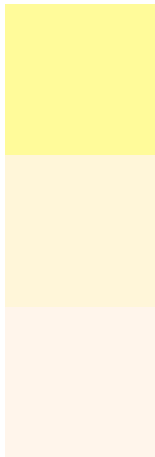


This preview shows how white text looks on a background with the CIELCh color 97, 48.461, 104.549.

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, 48.461, 104.549

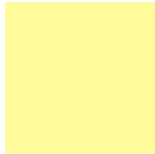
Protanopia
97, 15.122, 96.315

Deuteranopia
97, 6.218, 74.387



Tritanopia
97, 5.909, 335.926

Trichromacy



Original Color
97, 48.461, 104.549



Protanomaly
97, 27.492, 102.485



Deuteranomaly
97, 21.543, 100.496

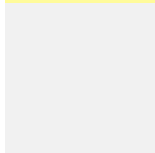


Tritanomaly
97, 15.619, 96.669

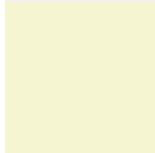
Monochromacy



Original Color
97, 48.461, 104.549



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 18.339, 107.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 48.461, 104.549 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 48.461, 104.549 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, 154) }
```

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

```
.border{ border-color:rgb(255, 251, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 48.461, 104.549 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, 154) }
```

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

```
.background{ background-color: rgb(255,  
251, 154) }
```

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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