

Converting Colors

CIELCh(97, 51.406, 115.428)

Have a look what the booklet for
CIELCh(97, 51.406, 115.428)
contains.

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Color

CIELCh(97, 50.884, 115.187)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF9B
RGB	236, 255, 155
RGB Percent	93%, 100%, 61%
CMY	0.0741, 0.0000, 0.3920
CMYK	0.07, 0.00, 0.39, 0.00
HSL	71°, 100%, 80%
HSV	71°, 39%, 100%
XYZ	76.6561, 92.4403, 44.8246
YIQ	237.9190, 20.7760, -35.1280

Conversions

Conversions Part 2

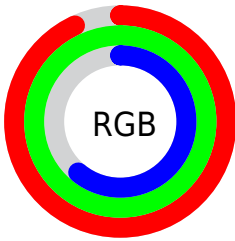
Format	Color
RYB	155, 255, 174
Decimal	15531931
CIELab	97.00, -21.65, 46.05
CIElCh	97, 50.884, 115.187
Yxy	92.4403, 0.3583, 0.4321
Android (android.graphics.Color)	4293722011 (0xFFE0FF9B)
YUV	237.9190, -40.8791, -1.6830
Hunter-Lab	96.1459, -25.9391, 39.6603

Details

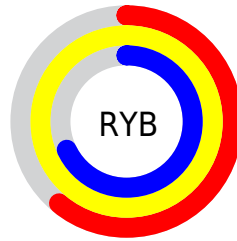
The CIELCh color **97, 50.884, 115.187** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **69, 55.300, 301.175**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **77, 50.176, 114.675** is the 20% darker color. If you saturate the color by 10%, you get **96, 62.310, 114.195**, and if you desaturate by 10%, it is **97, 37.818, 115.510**.

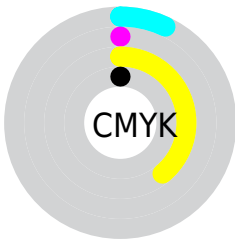
Distribution



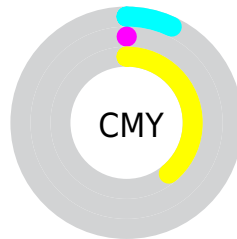
- Red (93%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 50.884, 115.187 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, 50.884, 115.187 by changing the saturation by 10% instead.


 97, 50.884,
115.187


 97, 50.884,
115.187

 100, 50.884,
115.187


 87, 50.884,
115.187

 77, 50.884,
115.187

 67, 50.884,
115.187

 57, 50.884,
115.187

 47, 50.884,
115.187

 37, 50.884,
115.187

 27, 50.884,

115.187

■ 17, 50.884,
115.187

■ 7, 50.884, 115.187

■ 97, 50.884,
115.187

■ 97, 50.884,
115.187

■ 96, 62.310,
114.195

■ 97, 37.818,
115.510

■ 95, 73.426,
113.677

■ 98, 24.995,
116.221

■ 95, 83.200,
113.340

■ 99, 12.006,
116.931

■ 95, 91.033,
113.273

■ 100, 0.012,
296.813

■ 94, 96.356,
113.567

■ 94, 99.112,
114.247

■ 94, 99.286,
114.307

Harmonies

Complementary

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



97, 50.884, 115.187



69, 55.300, 301.175

Rectangle

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



97, 50.884, 115.187



97, 50.884, 165.187



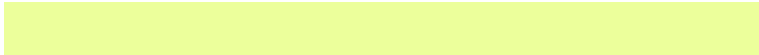
97, 50.884, 295.187



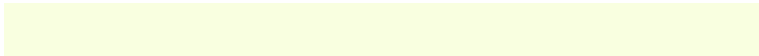
97, 50.884, 345.187

Sweetspot

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



97, 50.330, 114.823



99, 15.648, 116.733



78, 35.147, 37.872



53, 10.377, 116.641



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

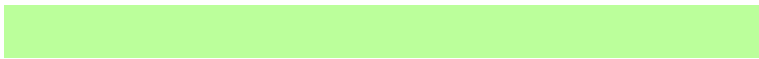
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 50.330, 114.823



96, 59.730, 114.327



94, 56.446, 133.264



53, 7.416, 116.910



72, 79.909, 114.125



25, 36.109, 113.163

Inverse Universe

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



69, 55.300, 301.175



63, 67.220, 302.125



74, 58.255, 316.898



49, 7.574, 298.269



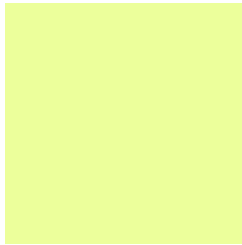
24, 106.326, 307.152



4, 44.536, 305.335

Previews

White Background



This preview shows how the CIELCh color 97, 50.884, 115.187 looks on a white background.

Color Contrast Check

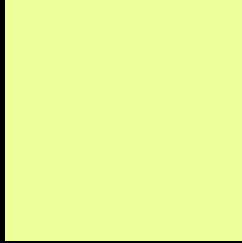
Large Text (above 18pt) WCAG AA × Fail

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, 50.884, 115.187 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, 50.884, 115.187

Background



This preview shows how black text looks on a background with the CIELCh color 97, 50.884, 115.187.

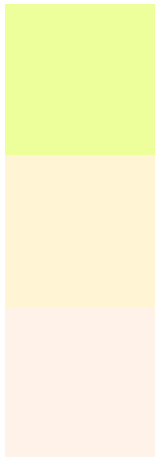


This preview shows how white text looks on a background with the CIELCh color 97, 50.884, 115.187.

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, 50.350, 114.865

Protanopia
97, 17.205, 96.361

Deuteranopia
97, 6.674, 69.270

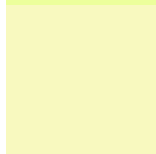


Tritanopia
97, 6.417, 306.317

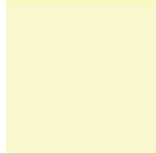
Trichromacy



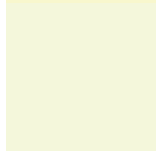
Original Color
97, 50.350, 114.865



Protanomaly
97, 29.360, 108.648



Deuteranomaly
96, 21.347, 107.517

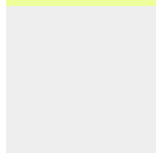


Tritanomaly
96, 14.307, 113.472

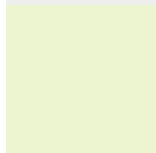
Monochromacy



Original Color
97, 50.350, 114.865



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 18.565, 116.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 50.884, 115.187 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(236, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 155)  
}
```

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(236, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 50.884, 115.187 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(236, 255, 155) }
```

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

```
.border{ border-color:rgb(236, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 50.884, 115.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 155) }
```

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

```
.background{ background-color: rgb(236,  
255, 155) }
```

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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