

# Converting Colors

CIELCh(97, 36.636, 116.398)

Have a look what the booklet for  
CIELCh(97, 36.636, 116.398)  
contains.

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# **Color**

**CIELCh(97, 36.697, 116.381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFEB6
RGB	239, 254, 182
RGB Percent	94%, 100%, 71%
CMY	0.0635, 0.0047, 0.2870
CMYK	0.06, 0.00, 0.28, 0.00
HSL	73°, 97%, 85%
HSV	73°, 28%, 100%
XYZ	79.3297, 92.4403, 57.8137
YIQ	241.3070, 14.1720, -25.5720

# Conversions

## Conversions Part 2

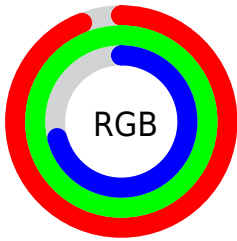
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 254, 197
Decimal	15728310
CIELab	97.00, -16.31, 32.88
CIElCh	97, 36.697, 116.381
Yxy	92.4403, 0.3455, 0.4026
Android (android.graphics.Color)	4293918390 (0xFFEFFEB6)
YUV	241.3070, -29.2384, -2.0232
Hunter-Lab	96.1459, -20.9755, 31.6503

# Details

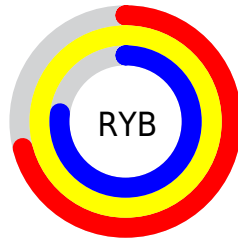
The CIELCh color **97, 36.697, 116.381** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 39.094, 300.635**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 8.605, 109.524**, and **77, 36.768, 116.350** is the 20% darker color. If you saturate the color by 10%, you get **96, 49.233, 115.717**, and if you desaturate by 10%, it is **98, 23.873, 117.072**.

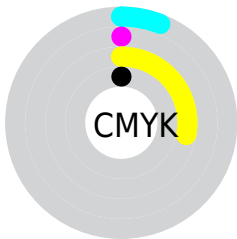
# Distribution



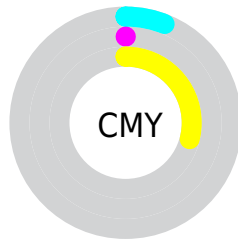
- Red (94%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 36.697, 116.381 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, 36.697, 116.381 by changing the saturation by 10% instead.





 97, 36.697,  
116.381


 97, 36.697,  
116.381


 100, 36.697,  
116.381


 87, 36.697,  
116.381

 77, 36.697,  
116.381

 67, 36.697,  
116.381

 57, 36.697,  
116.381

 47, 36.697,  
116.381

 37, 36.697,  
116.381

 27, 36.697,

116.381

■ 17, 36.697,  
116.381

■ 7, 36.697, 116.381

■ 97, 36.697,  
116.381

■ 97, 36.697,  
116.381

■ 96, 49.233,  
115.717

■ 98, 23.873,  
117.072

■ 96, 61.263,  
115.106

■ 99, 10.894,  
117.759

■ 95, 72.470,  
114.601

■ 100, 0.693,  
316.148

■ 94, 82.393,  
114.275

■ 100, 0.752,  
324.056

■ 94, 90.444,  
114.220

■ 94, 96.045,  
114.531

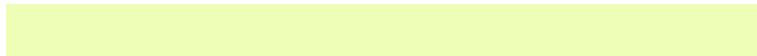
■ 93, 99.032,  
115.252

■ 93, 99.400,  
115.387

# Harmonies

# Complementary

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



97, 36.697, 116.381



77, 39.094, 300.635

# Rectangle

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



97, 36.697, 116.381



97, 36.697, 166.381



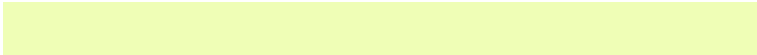
97, 36.697, 296.381



97, 36.697, 346.381

# Sweetspot

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



97, 36.699, 116.384



99, 11.765, 117.715



84, 23.955, 39.205



53, 8.174, 117.616



0, 0.000, 0.000



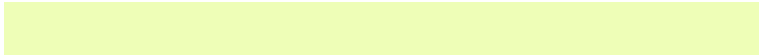
53, 0.007, 296.813



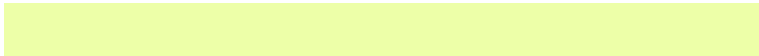


# Same Dimension

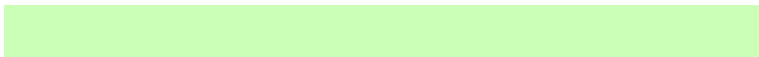
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 36.699, 116.384



97, 43.976, 116.003



95, 41.076, 134.373



53, 7.432, 117.681



72, 80.276, 115.193



25, 36.237, 114.144



# Inverse Universe

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



77, 39.094, 300.635



73, 47.543, 301.212



81, 41.965, 316.958



49, 7.588, 298.991



24, 106.072, 307.314

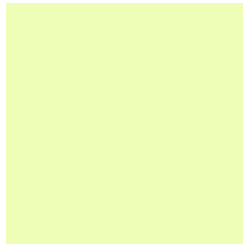


4, 44.575, 305.714



# Previews

## White Background



This preview shows how the CIELCh color 97, 36.697, 116.381 looks on a white background.

## Color Contrast Check

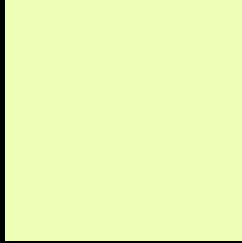
Large Text (above 18pt) WCAG AA × Fail

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, 36.697, 116.381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

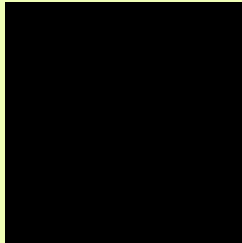
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

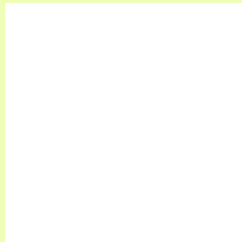
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 36.697, 116.381

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 36.697, 116.381.

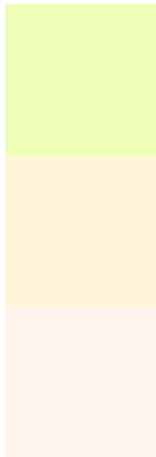


This preview shows how white text looks on a background with the CIELCh color 97, 36.697, 116.381.

# 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, 36.697, 116.381

**Protanopia**  
97, 14.625, 95.934

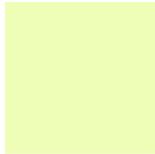
**Deuteranopia**  
97, 5.660, 65.525



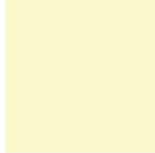


**Tritanopia**  
97, 5.242, 302.017

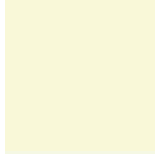
# Trichromacy



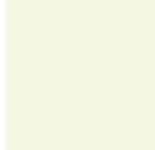
**Original Color**  
97, 36.697, 116.381



**Protanomaly**  
97, 22.324, 108.455

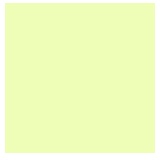


**Deuteranomaly**  
97, 16.272, 107.623

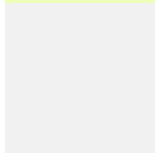


**Tritanomaly**  
97, 10.248, 115.458

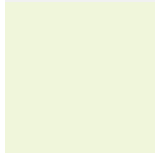
# Monochromacy



**Original Color**  
97, 36.697, 116.381



**Achromatopsia**  
95, 0.011, 296.813



**Achromatomaly**  
96, 13.956, 118.129

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 36.697, 116.381 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(239, 254, 182)` looks like.

```
.text, #text, p{  
    color:rgb(239, 254, 182)  
}
```

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(239, 254, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 254, 182) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 36.697, 116.381 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(239, 254, 182) }
```

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

```
.border{ border-color:rgb(239, 254, 182) }
```

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

Here you see how a box with a 4 pixel rgb(239, 254, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 254, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 254, 182);  
box-shadow:4px 4px 4px 4px rgb(239, 254,  
182) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 36.697, 116.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 254, 182) }
```

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

```
.background{ background-color: rgb(239,  
254, 182) }
```

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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