

Converting Colors

CIELCh(100, 44.115, 121.226)

Have a look what the booklet for
CIELCh(100, 44.115, 121.226)
contains.

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Color

CIElCh(97, 38.336, 117.627)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFB4
RGB	237, 255, 180
RGB Percent	93%, 100%, 71%
CMY	0.0723, 0.0017, 0.2958
CMYK	0.07, 0.00, 0.29, 0.00
HSL	74°, 99%, 85%
HSV	74°, 29%, 100%
XYZ	78.5883, 92.4403, 56.6545
YIQ	241.0680, 13.3470, -27.1410

Conversions

Conversions Part 2

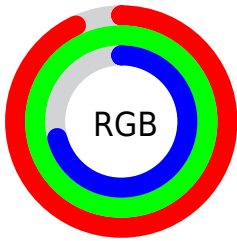
Format	Color
R_{YB}	180, 255, 198
Decimal	15597492
CIE _{Lab}	97.00, -17.78, 33.97
CIE _{LCh}	97, 38.336, 117.627
Yxy	92.4403, 0.3452, 0.4060
Android (android.graphics.Color)	4293787572 (0xFFEDFFB4)
YUV	241.0680, -30.1065, -3.5676
Hunter-Lab	96.1459, -22.3519, 32.3652

Details

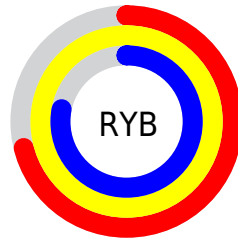
The CIELCh color **97, 38.336, 117.627** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 40.872, 301.809**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **77, 37.971, 117.816** is the 20% darker color. If you saturate the color by 10%, you get **96, 50.926, 117.001**, and if you desaturate by 10%, it is **98, 25.443, 118.282**.

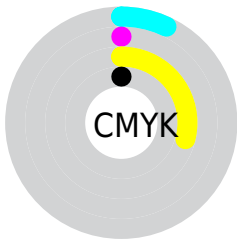
Distribution



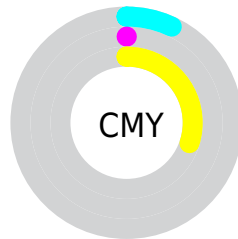
- Red (93%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 38.336, 117.627 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, 38.336, 117.627 by changing the saturation by 10% instead.

 97, 38.336,
117.627

 97, 38.336,
117.627

 100, 38.336,
117.627


 87, 38.336,
117.627

 77, 38.336,
117.627

 67, 38.336,
117.627

 57, 38.336,
117.627

 47, 38.336,
117.627

 37, 38.336,
117.627

 27, 38.336,

117.627

■ 17, 38.336,
117.627

■ 7, 38.336, 117.627

■ 97, 38.336,
117.627

■ 97, 38.336,
117.627

■ 96, 50.926,
117.001

■ 98, 25.443,
118.282

■ 95, 62.986,
116.434

■ 99, 12.389,
118.935

■ 95, 74.184,
115.984

100, 0.265,
316.548

■ 94, 84.046,
115.729

100, 0.284,
323.361

■ 94, 91.975,
115.768

■ 93, 97.413,
116.203

■ 93, 100.335,
117.056

■ 93, 100.465,
117.107

Harmonies

Complementary

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



97, 38.336, 117.627



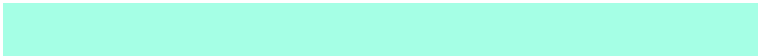
77, 40.872, 301.809

Rectangle

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



97, 38.336, 117.627



97, 38.336, 167.627



97, 38.336, 297.627



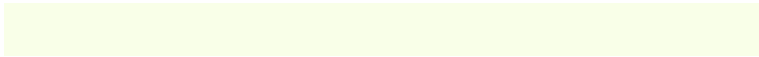
97, 38.336, 347.627

Sweetspot

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



97, 38.338, 117.630



99, 11.809, 118.964



84, 24.601, 42.632



53, 8.206, 118.870



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

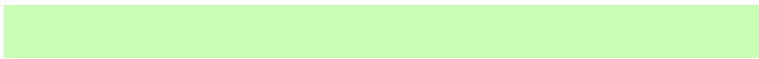
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 38.338, 117.630



97, 45.432, 117.276



95, 43.180, 135.318



53, 7.460, 118.931



72, 80.935, 116.889



25, 36.468, 115.712

Inverse Universe

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



77, 40.872, 301.809



73, 49.128, 302.343



80, 44.018, 318.058



49, 7.613, 300.167



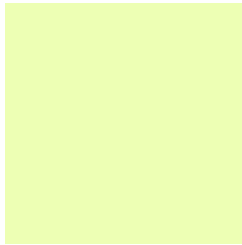
25, 105.615, 307.614



4, 44.638, 306.368

Previews

White Background



This preview shows how the CIELCh color 97, 38.336, 117.627 looks on a white background.

Color Contrast Check

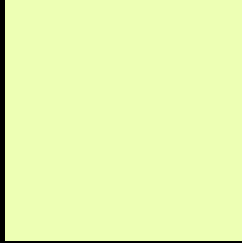
Large Text (above 18pt) WCAG AA × Fail

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, 38.336, 117.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

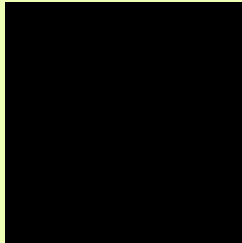
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 38.336, 117.627

Background



This preview shows how black text looks on a background with the CIELCh color 97, 38.336, 117.627.

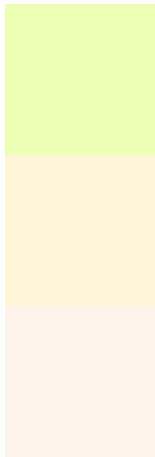


This preview shows how white text looks on a background with the CIELCh color 97, 38.336, 117.627.

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, 38.336, 117.627

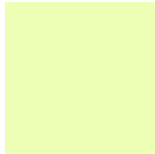
Protanopia
97, 15.122, 96.315

Deuteranopia
97, 5.660, 65.525

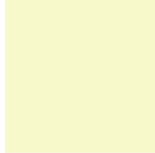


Tritanopia
97, 5.180, 298.262

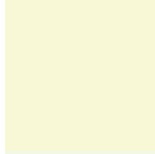
Trichromacy



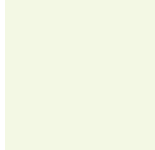
Original Color
97, 38.336, 117.627



Protanomaly
97, 23.338, 109.297

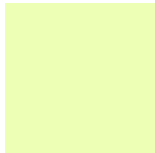


Deuteranomaly
97, 16.778, 108.882

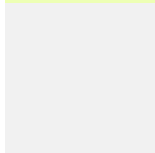


Tritanomaly
97, 10.359, 119.411

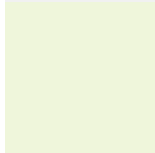
Monochromacy



Original Color
97, 38.336, 117.627



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 14.022, 119.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 38.336, 117.627 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(237, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 180)  
}
```

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(237, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 38.336, 117.627 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(237, 255, 180) }
```

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

```
.border{ border-color:rgb(237, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 38.336, 117.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 180) }
```

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

```
.background{ background-color: rgb(237,  
255, 180) }
```

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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