

Converting Colors

CIELCh(96, 39.966, 117.670)

Have a look what the booklet for
CIELCh(96, 39.966, 117.670)
contains.

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Color

CIElCh(96, 39.939, 117.678)

Conversions

Conversions Part 1

Format	Color
Hex	E9FCAE
RGB	233, 252, 174
RGB Percent	91%, 99%, 68%
CMY	0.0862, 0.0117, 0.3176
CMYK	0.08, 0.00, 0.31, 0.01
HSL	75°, 93%, 84%
HSV	75°, 31%, 99%
XYZ	76.0612, 90.0078, 53.4135
YIQ	237.4270, 13.7140, -28.2860

Conversions

Conversions Part 2

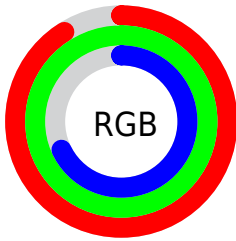
Format	Color
RYB	174, 252, 193
Decimal	15334574
CIELab	96.00, -18.55, 35.37
CIELCh	96, 39.939, 117.678
Yxy	90.0078, 0.3465, 0.4101
Android (android.graphics.Color)	4293524654 (0xFFE9FCAE)
YUV	237.4270, -31.2695, -3.8825
Hunter-Lab	94.8724, -22.9196, 33.0302

Details

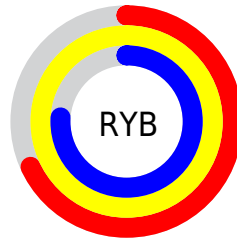
The CIELCh color **96, 39.939, 117.678** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **75, 42.729, 302.065**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **76, 39.637, 117.829** is the 20% darker color. If you saturate the color by 10%, you get **95, 52.374, 117.063**, and if you desaturate by 10%, it is **97, 27.178, 118.327**.

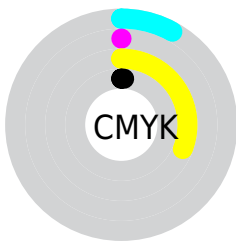
Distribution



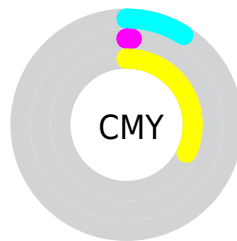
- Red (91%)
- Green (99%)
- Blue (68%)



- Red (68%)
- Yellow (99%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 39.939, 117.678 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 96, 39.939, 117.678 by changing the saturation by 10% instead.


 96, 39.939,
117.678


 96, 39.939,
117.678


 100, 39.939,
117.678


 86, 39.939,
117.678


 76, 39.939,
117.678

 66, 39.939,
117.678

 56, 39.939,
117.678

 46, 39.939,
117.678

 36, 39.939,
117.678

 26, 39.939,

117.678

■ 16, 39.939,
117.678

■ 6, 39.939, 117.678

■ 96, 39.939,
117.678

■ 96, 39.939,
117.678

■ 95, 52.374,
117.063

■ 97, 27.178,
118.327

■ 94, 64.242,
116.513

■ 98, 14.239,
118.977

■ 94, 75.198,
116.090

■ 99, 1.228, 119.635

■ 93, 84.749,
115.876

■ 99, 1.862, 324.341

■ 93, 92.296,
115.974

■ 92, 97.317,
116.481

■ 92, 99.798,
117.287

Harmonies

Complementary

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



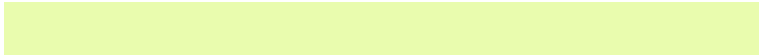
96, 39.939, 117.678



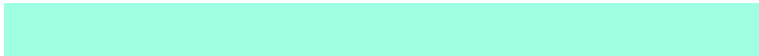
75, 42.729, 302.065

Rectangle

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



96, 39.939, 117.678



96, 39.939, 167.678



96, 39.939, 297.678



96, 39.939, 347.678

Sweetspot

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



96, 39.941, 117.681



99, 11.815, 119.102



83, 25.801, 42.622



53, 8.209, 119.008



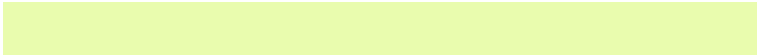
0, 0.000, 0.000



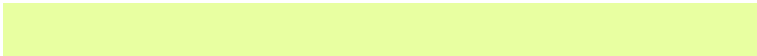
53, 0.007, 296.813

Same Dimension

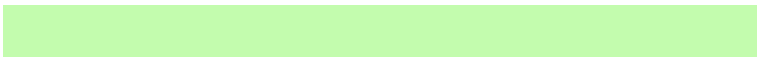
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 39.941, 117.681



97, 47.967, 117.300



94, 44.991, 135.233



52, 7.341, 119.071



71, 80.201, 117.062



23, 35.300, 115.968

Inverse Universe

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



75, 42.729, 302.065



71, 52.131, 302.655



79, 45.906, 318.122



48, 7.490, 300.295



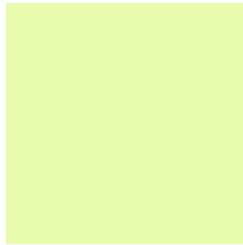
24, 104.500, 307.657



4, 42.680, 305.900

Previews

White Background



This preview shows how the CIELCh color 96, 39.939, 117.678 looks on a white background.

Color Contrast Check

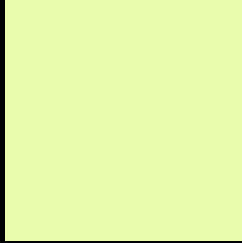
Large Text (above 18pt) WCAG AA × Fail

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 96, 39.939, 117.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

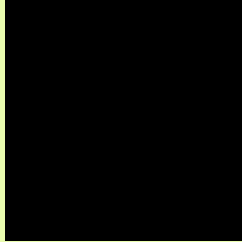
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

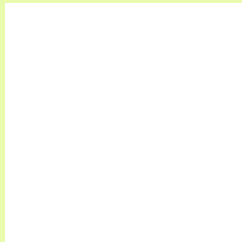
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 39.939, 117.678

Background



This preview shows how black text looks on a background with the CIELCh color 96, 39.939, 117.678.

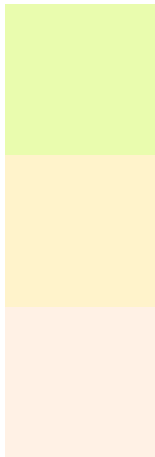


This preview shows how white text looks on a background with the CIELCh color 96, 39.939, 117.678.

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
96, 39.939, 117.678

Protanopia
96, 20.879, 96.049

Deuteranopia
96, 7.949, 69.887

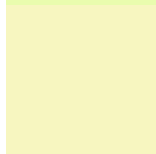


Tritanopia
96, 6.719, 296.596

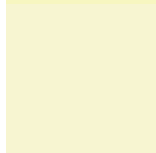
Trichromacy



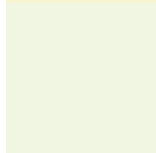
Original Color
96, 39.939, 117.678



Protanomaly
96, 27.412, 107.242

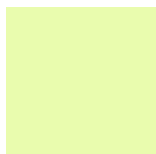


Deuteranomaly
96, 18.348, 106.423

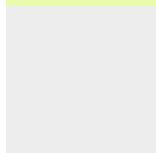


Tritanomaly
96, 10.449, 121.342

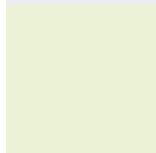
Monochromacy



Original Color
96, 39.939, 117.678



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 14.503, 117.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 39.939, 117.678 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(233, 252, 174)` looks like.

```
.text, #text, p{  
    color:rgb(233, 252, 174)  
}
```

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(233, 252, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 252, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 39.939, 117.678 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(233, 252, 174) }
```

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

```
.border{ border-color:rgb(233, 252, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 252, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 252, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 252, 174);  
box-shadow:4px 4px 4px 4px rgb(233, 252,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 39.939, 117.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 252, 174) }
```

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

```
.background{ background-color: rgb(233,  
252, 174) }
```

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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