

Converting Colors

CIELCh(96, 40.401, 109.773)

Have a look what the booklet for
CIELCh(96, 40.401, 109.773)
contains.

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Color

CIElCh(96, 40.310, 109.818)

Conversions

Conversions Part 1

Format	Color
Hex	F4F9A9
RGB	244, 249, 169
RGB Percent	96%, 98%, 66%
CMY	0.0424, 0.0228, 0.3365
CMYK	0.02, 0.00, 0.32, 0.02
HSL	64°, 87%, 82%
HSV	64°, 32%, 98%
XYZ	78.4879, 90.0078, 50.8609
YIQ	238.3850, 22.7000, -25.9400

Conversions

Conversions Part 2

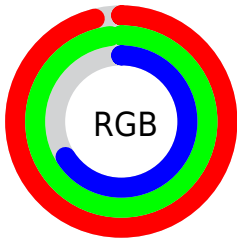
Format	Color
RYB	169, 249, 174
Decimal	16054697
CIELab	96.00, -13.67, 37.92
CIELCh	96, 40.310, 109.818
Yxy	90.0078, 0.3578, 0.4103
Android (android.graphics.Color)	4294244777 (0xFFFF4F9A9)
YUV	238.3850, -34.2068, 4.9244
Hunter-Lab	94.8724, -18.3537, 34.6254

Details

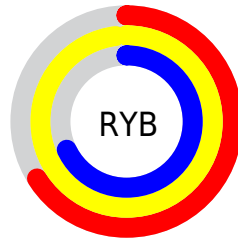
The CIELCh color **96, 40.310, 109.818** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 43.640, 296.251**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 15.178, 109.030**, and **76, 40.448, 109.903** is the 20% darker color. If you saturate the color by 10%, you get **96, 52.318, 108.975**, and if you desaturate by 10%, it is **97, 27.937, 110.697**.

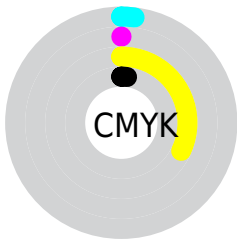
Distribution



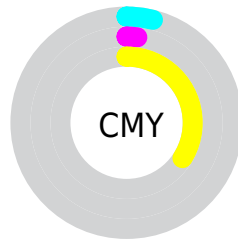
- Red (96%)
- Green (98%)
- Blue (66%)



- Red (66%)
- Yellow (98%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 40.310, 109.818 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, 40.310, 109.818 by changing the saturation by 10% instead.

 96, 40.310,
109.818


 96, 40.310,
109.818

 100, 40.310,
109.818


 86, 40.310,
109.818

 76, 40.310,
109.818

 66, 40.310,
109.818

 56, 40.310,
109.818

 46, 40.310,
109.818

 36, 40.310,
109.818

 26, 40.310,

109.818

■ 16, 40.310,
109.818

■ 6, 40.310, 109.818

■ 96, 40.310,
109.818

■ 96, 40.310,
109.818

■ 96, 52.318,
108.975

■ 97, 27.937,
110.697

■ 95, 63.707,
108.191

■ 97, 15.355,
111.579

■ 95, 74.106,
107.510

■ 98, 2.670, 112.439

■ 95, 82.994,
106.986

■ 98, 3.006, 298.595

■ 98, 3.136, 308.437

■ 94, 89.761,
106.679

■ 98, 3.350, 317.285

■ 94, 93.916,
106.636

■ 99, 3.613, 324.482

■ 94, 95.526,
106.773

Harmonies

Complementary

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



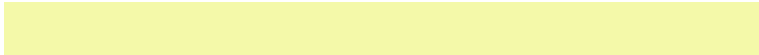
96, 40.310, 109.818



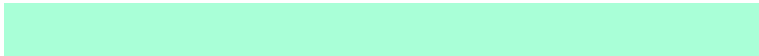
72, 43.640, 296.251

Rectangle

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



96, 40.310, 109.818



96, 40.310, 159.818



96, 40.310, 289.818



96, 40.310, 339.818

Sweetspot

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



96, 40.312, 109.821



99, 12.924, 111.763



78, 30.397, 25.940



53, 8.816, 111.640



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

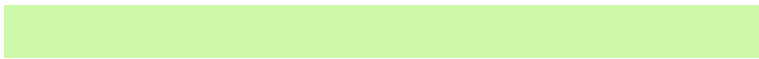
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.312, 109.821



98, 49.551, 109.229



93, 43.836, 129.309



52, 7.228, 111.808



73, 77.508, 106.707



24, 34.424, 106.527

Inverse Universe

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



72, 43.640, 296.251



68, 54.801, 297.292



76, 45.634, 312.296



48, 7.391, 293.525



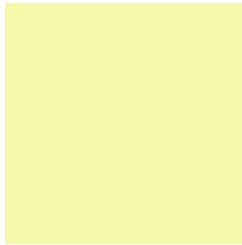
23, 106.393, 306.468



3, 42.207, 302.180

Previews

White Background



This preview shows how the CIE LCh color 96, 40.310, 109.818 looks on a white background.

Color Contrast Check

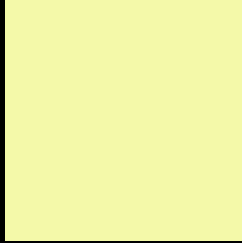
Large Text (above 18pt) WCAG AA × Fail

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, 40.310, 109.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

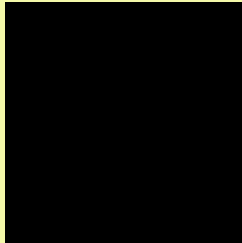
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 40.310, 109.818

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.310, 109.818.

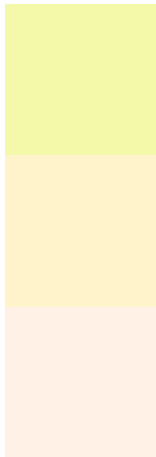


This preview shows how white text looks on a background with the CIELCh color 96, 40.310, 109.818.

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, 40.310, 109.818

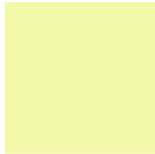
Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.949, 69.887

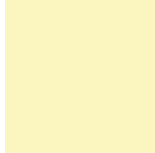


Tritanopia
96, 9.600, 321.275

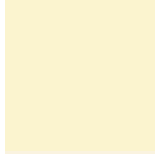
Trichromacy



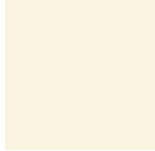
Original Color
96, 40.310, 109.818



Protanomaly
96, 27.519, 103.250

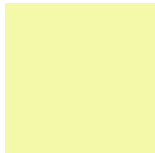


Deuteranomaly
96, 19.026, 100.788

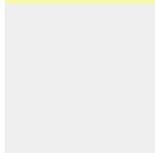


Tritanomaly
96, 10.016, 94.640

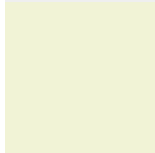
Monochromacy



Original Color
96, 40.310, 109.818



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 14.832, 111.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.310, 109.818 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(244, 249, 169)` looks like.

```
.text, #text, p{  
    color:rgb(244, 249, 169)  
}
```

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(244, 249, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 249, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.310, 109.818 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(244, 249, 169) }
```

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

```
.border{ border-color:rgb(244, 249, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 249, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 249, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 249, 169);  
box-shadow:4px 4px 4px 4px rgb(244, 249,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.310, 109.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 249, 169) }
```

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

```
.background{ background-color: rgb(244,  
249, 169) }
```

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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