

Converting Colors

CIELCh(96, 38.486, 109.268)

Have a look what the booklet for
CIELCh(96, 38.486, 109.268)
contains.

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Color

CIElCh(96, 38.820, 109.459)

Conversions

Conversions Part 1

Format	Color
Hex	F5F9AC
RGB	245, 249, 172
RGB Percent	96%, 98%, 67%
CMY	0.0399, 0.0241, 0.3261
CMYK	0.02, 0.00, 0.31, 0.02
HSL	63°, 86%, 82%
HSV	63°, 31%, 98%
XYZ	78.8571, 90.0078, 52.1699
YIQ	239.0260, 22.3330, -24.7950

Conversions

Conversions Part 2

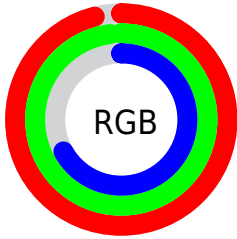
Format	Color
RYB	172, 249, 176
Decimal	16120236
CIELab	96.00, -12.93, 36.60
CIELCh	96, 38.820, 109.459
Yxy	90.0078, 0.3568, 0.4072
Android (android.graphics.Color)	4294310316 (0xFFFF5F9AC)
YUV	239.0260, -33.0438, 5.2392
Hunter-Lab	94.8724, -17.6592, 33.8074

Details

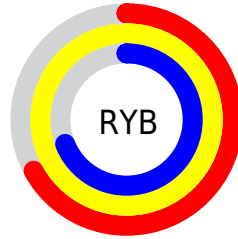
The CIELCh color **96, 38.820, 109.459** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 41.892, 295.744**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **76, 38.918, 109.564** is the 20% darker color. If you saturate the color by 10%, you get **96, 50.863, 108.596**, and if you desaturate by 10%, it is **97, 26.435, 110.355**.

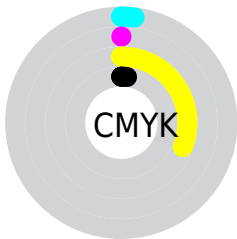
Distribution



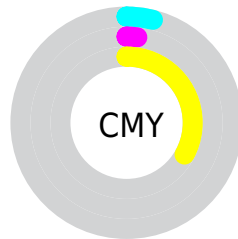
- Red (96%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)



- Cyan (4%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 38.820, 109.459 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, 38.820, 109.459 by changing the saturation by 10% instead.

96, 38.820,
109.459

96, 38.820,
109.459

100, 38.820,
109.459

86, 38.820,
109.459

76, 38.820,
109.459

66, 38.820,
109.459

56, 38.820,
109.459

46, 38.820,
109.459

36, 38.820,
109.459

26, 38.820,

109.459

■ 16, 38.820,
109.459

■ 6, 38.820, 109.459

■ 96, 38.820,
109.459

■ 96, 38.820,
109.459

■ 96, 50.863,
108.596

■ 97, 26.435,
110.355

■ 95, 62.322,
107.786

■ 97, 13.856,
111.253

■ 95, 72.842,
107.072

■ 98, 1.183, 112.100

■ 95, 81.919,
106.504

■ 98, 3.181, 297.798

■ 98, 3.275, 305.629

■ 94, 88.945,
106.138

■ 98, 3.426, 312.915

■ 94, 93.400,
106.022

■ 98, 3.628, 319.505

■ 94, 95.340,
106.122

■ 98, 3.832, 324.495

Harmonies

Complementary

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



96, 38.820, 109.459



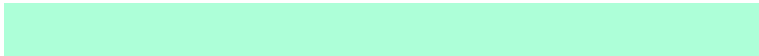
73, 41.892, 295.744

Rectangle

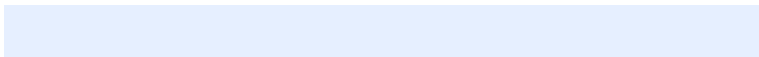
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 38.820, 109.459



96, 38.820, 159.459



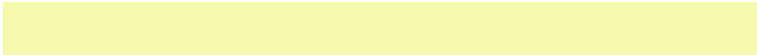
96, 38.820, 289.459



96, 38.820, 339.459

Sweetspot

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



96, 38.822, 109.462



99, 11.629, 111.424



78, 29.124, 25.818



53, 8.079, 111.295



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

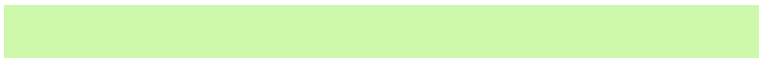
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 38.822, 109.462



98, 47.093, 108.928



93, 42.213, 129.367



52, 7.225, 111.381



73, 77.442, 106.068



25, 34.407, 105.953

Inverse Universe

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



73, 41.892, 295.744



70, 51.764, 296.661



76, 43.875, 312.237



48, 7.388, 293.131



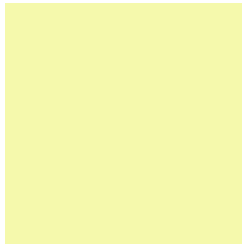
23, 106.448, 306.437



3, 42.177, 301.956

Previews

White Background



This preview shows how the CIELCh color 96, 38.820, 109.459 looks on a white background.

Color Contrast Check

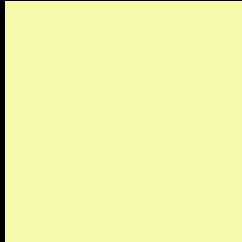
Large Text (above 18pt) WCAG AA × Fail

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, 38.820, 109.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

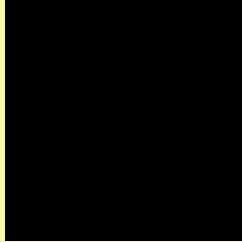
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 38.820, 109.459

Background



This preview shows how black text looks on a background with the CIELCh color 96, 38.820, 109.459.

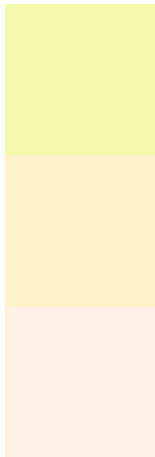


This preview shows how white text looks on a background with the CIELCh color 96, 38.820, 109.459.

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, 38.820, 109.459

Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.949, 69.887

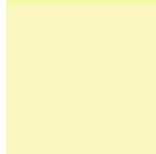


Tritanopia
96, 9.783, 323.048

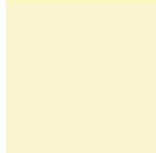
Trichromacy



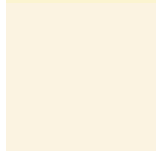
Original Color
96, 38.820, 109.459



Protanomaly
96, 27.017, 103.207



Deuteranomaly
96, 18.523, 100.622

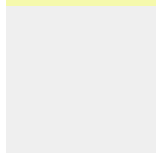


Tritanomaly
96, 9.624, 91.813

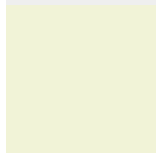
Monochromacy



Original Color
96, 38.820, 109.459



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 14.323, 111.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 38.820, 109.459 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(245, 249, 172)` looks like.

```
.text, #text, p{  
    color:rgb(245, 249, 172)  
}
```

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(245, 249, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 249, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 38.820, 109.459 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(245, 249, 172) }
```

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

```
.border{ border-color:rgb(245, 249, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 249, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 249, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 249, 172);  
box-shadow:4px 4px 4px 4px rgb(245, 249,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 38.820, 109.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 249, 172) }
```

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

```
.background{ background-color: rgb(245,  
249, 172) }
```

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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