

Converting Colors

CIELCh(96, 72.345, 103.744)

Have a look what the booklet for
CIELCh(96, 72.345, 103.744)
contains.

CIELCh(96, 72.513, 103.901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 72.513, 103.901)

Conversions

Conversions Part 1

Format	Color
Hex	FCFA63
RGB	252, 250, 99
RGB Percent	99%, 98%, 39%
CMY	0.0116, 0.0194, 0.6116
CMYK	0.00, 0.01, 0.61, 0.01
HSL	59°, 96%, 69%
HSV	59°, 61%, 99%
XYZ	76.6184, 90.0078, 25.1510
YIQ	233.3840, 49.6630, -46.5370

Conversions

Conversions Part 2

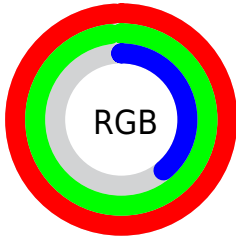
Format	Color
RYB	101, 252, 99
Decimal	16579171
CIELab	96.00, -17.42, 70.39
CIELCh	96, 72.513, 103.901
Yxy	90.0078, 0.3995, 0.4693
Android (android.graphics.Color)	4294769251 (0xFFFCFA63)
YUV	233.3840, -66.2513, 16.3262
Hunter-Lab	94.8724, -21.8712, 50.6928

Details

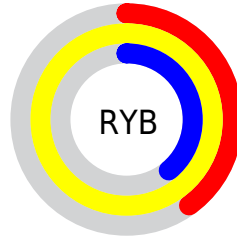
The CIELCh color **96, 72.513, 103.901** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **51, 86.953, 299.478**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **76, 72.541, 104.105** is the 20% darker color. If you saturate the color by 10%, you get **96, 81.645, 103.179**, and if you desaturate by 10%, it is **96, 61.951, 104.743**.

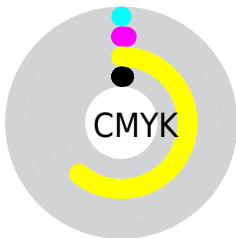
Distribution



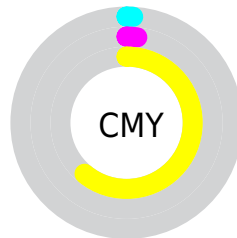
- Red (99%)
- Green (98%)
- Blue (39%)



- Red (40%)
- Yellow (99%)
- Blue (39%)



- Cyan (0%)
- Magenta (1%)
- Yellow (61%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 72.513, 103.901 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, 72.513, 103.901 by changing the saturation by 10% instead.


 96, 72.513,
103.901


 96, 72.513,
103.901


 100, 72.513,
103.901


 86, 72.513,
103.901

 76, 72.513,
103.901

 66, 72.513,
103.901

 56, 72.513,
103.901

 46, 72.513,
103.901

 36, 72.513,
103.901

 26, 72.513,

103.901

■ 16, 72.513,
103.901

■ 6, 72.513, 103.901

■ 96, 72.513,
103.901

■ 96, 72.513,
103.901

■ 96, 81.645,
103.179

■ 96, 61.951,
104.743

■ 96, 88.721,
102.609

■ 97, 50.468,
105.661

■ 95, 93.193,
102.223

■ 97, 38.423,
106.626

■ 95, 95.113,
102.015

■ 98, 26.052,
107.614

98, 13.505,
108.603

99, 0.877, 109.495

99, 1.358, 285.841

99, 1.205, 279.769

99, 1.069, 272.052

Harmonies

Complementary

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



96, 72.513, 103.901



51, 86.953, 299.478

Rectangle

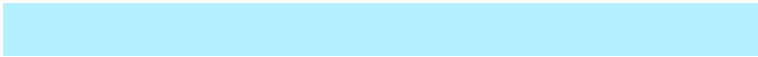
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 72.513, 103.901



96, 72.513, 153.901



96, 72.513, 283.901



96, 72.513, 333.901

Sweetspot

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



96, 72.514, 103.903



99, 22.889, 107.881



62, 65.511, 26.717



53, 15.888, 107.592



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, 72.514, 103.903



97, 84.250, 103.030



92, 79.294, 125.810



52, 7.124, 108.721



74, 76.530, 102.029



25, 34.020, 102.369

Inverse Universe

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



51, 86.953, 299.478



43, 106.874, 302.282



57, 87.381, 311.661



48, 7.281, 290.660



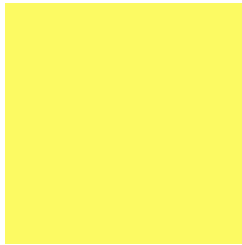
23, 106.113, 306.134



3, 41.641, 300.604

Previews

White Background



This preview shows how the CIELCh color 96, 72.513, 103.901 looks on a white background.

Color Contrast Check

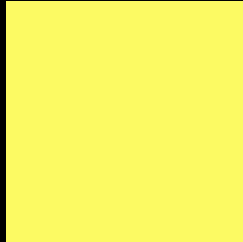
Large Text (above 18pt) WCAG AA × Fail

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, 72.513, 103.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

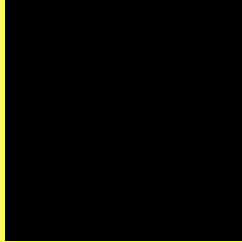
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 72.513, 103.901

Background



This preview shows how black text looks on a background with the CIELCh color 96, 72.513, 103.901.



This preview shows how white text looks on a background with the CIELCh color 96, 72.513, 103.901.

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](#).

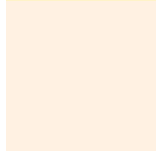
Dichromacy




Original Color
96, 72.513, 103.901



Protanopia
96, 22.371, 96.728

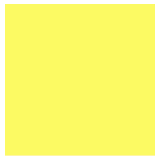


Deuteranopia
96, 9.197, 75.797

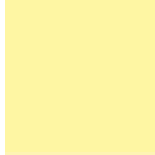


Tritanopia
96, 7.326, 340.860

Trichromacy



Original Color
96, 72.513, 103.901



Protanomaly
96, 41.928, 102.574

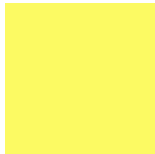


Deuteranomaly
96, 32.693, 100.803

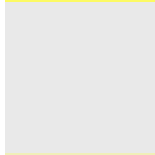


Tritanomaly
96, 25.293, 98.659

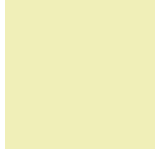
Monochromacy



Original Color
96, 72.513, 103.901



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 28.058, 107.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 72.513, 103.901 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(252, 250, 99)` looks like.

```
.text, #text, p{  
    color:rgb(252, 250, 99)  
}
```

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(252, 250, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 250, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 72.513, 103.901 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(252, 250, 99) }
```

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

```
.border{ border-color:rgb(252, 250, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 250, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 250, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 250, 99);  
box-shadow:4px 4px 4px 4px rgb(252, 250,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 72.513, 103.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 250, 99) }
```

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

```
.background{ background-color: rgb(252,  
250, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor