

Converting Colors

CIELCh(97, 70.440, 104.331)

Have a look what the booklet for
CIELCh(97, 70.440, 104.331)
contains.

CIELCh(97, 70.440, 104.426)	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(97, 70.440, 104.426)

Conversions

Conversions Part 1

Format	Color
Hex	FEFD6B
RGB	254, 253, 107
RGB Percent	100%, 99%, 42%
CMY	0.0036, 0.0076, 0.5801
CMYK	0.00, 0.00, 0.58, 0.00
HSL	60°, 99%, 71%
HSV	60°, 58%, 100%
XYZ	78.7030, 92.4403, 27.6223
YIQ	236.6550, 47.4620, -45.1940

Conversions

Conversions Part 2

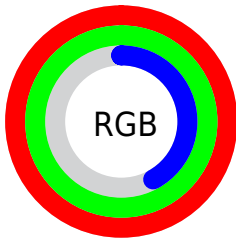
Format	Color
RYB	108, 254, 107
Decimal	16711019
CIELab	97.00, -17.55, 68.22
CIELCh	97, 70.440, 104.426
Yxy	92.4403, 0.3960, 0.4651
Android (android.graphics.Color)	4294901099 (0xFFFEFD6B)
YUV	236.6550, -63.9199, 15.2116
Hunter-Lab	96.1459, -22.1389, 50.2684

Details

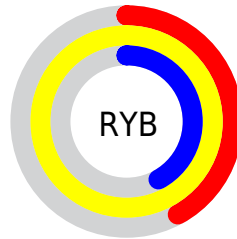
The CIELCh color **97, 70.440, 104.426** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **53, 83.587, 299.052**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 45.919, 106.668**, and **77, 70.706, 104.709** is the 20% darker color. If you saturate the color by 10%, you get **97, 80.126, 103.684**, and if you desaturate by 10%, it is **97, 59.463, 105.282**.

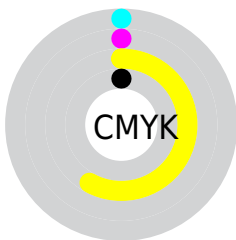
Distribution



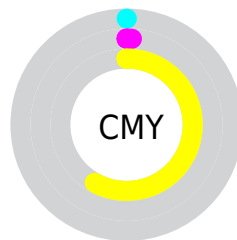
- Red (100%)
- Green (99%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 70.440, 104.426 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, 70.440, 104.426 by changing the saturation by 10% instead.


 97, 70.440,
104.426


 97, 70.440,
104.426

 100, 70.440,
104.426


 87, 70.440,
104.426

 77, 70.440,
104.426

 67, 70.440,
104.426

 57, 70.440,
104.426

 47, 70.440,
104.426

 37, 70.440,
104.426

 27, 70.440,

104.426

■ 17, 70.440,
104.426

■ 7, 70.440, 104.426

■ 97, 70.440,
104.426

■ 97, 70.440,
104.426

■ 97, 80.126,
103.684

■ 97, 59.463,
105.282

■ 97, 87.912,
103.088

■ 98, 47.663,
106.206

■ 96, 93.202,
102.676

■ 98, 35.365,
107.172

■ 96, 95.780,
102.454

■ 99, 22.782,
108.156

96, 96.144,
102.419

99, 10.046,
109.136

100, 0.464,
288.791

100, 0.383,
279.423

100, 0.316,
265.599

100, 0.276,
246.292

Harmonies

Complementary

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



97, 70.440, 104.426



53, 83.587, 299.052

Rectangle

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



97, 70.440, 104.426



97, 70.440, 154.426



97, 70.440, 284.426



97, 70.440, 334.426

Sweetspot

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



97, 70.441, 104.428



99, 21.756, 108.240



64, 62.516, 25.946



53, 14.542, 108.042



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, 70.441, 104.428



97, 81.358, 103.607



93, 76.537, 125.879



53, 7.288, 108.976



75, 77.660, 102.427



26, 35.337, 102.626

Inverse Universe

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



53, 83.587, 299.052



45, 101.458, 301.576



59, 83.926, 311.530



49, 7.451, 290.909



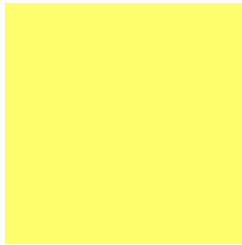
23, 107.473, 306.209



3, 43.912, 301.649

Previews

White Background



This preview shows how the CIE LCh color 97, 70.440, 104.426 looks on a white background.

Color Contrast Check

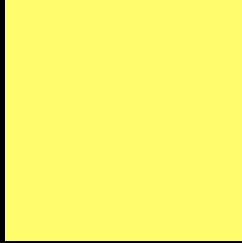
Large Text (above 18pt) WCAG AA × Fail

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, 70.440, 104.426 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, 70.440, 104.426

Background



This preview shows how black text looks on a background with the CIELCh color 97, 70.440, 104.426.



This preview shows how white text looks on a background with the CIELCh color 97, 70.440, 104.426.

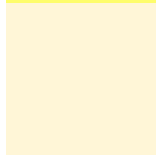
Color Blindness Simulation

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](#).

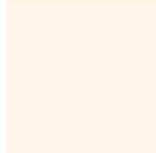
Dichromacy



Original Color
97, 70.440, 104.426



Protanopia
97, 16.117, 96.999

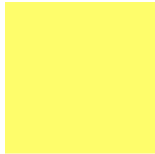


Deuteranopia
97, 7.081, 79.029



Tritanopia
97, 5.567, 339.698

Trichromacy



Original Color
97, 70.440, 104.426



Protanomaly
97, 36.883, 103.690



Deuteranomaly
97, 30.986, 102.796

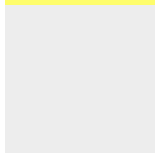


Tritanomaly
97, 25.051, 101.285

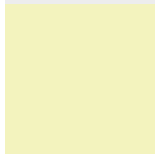
Monochromacy



Original Color
97, 70.440, 104.426



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 26.968, 108.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 70.440, 104.426 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(254, 253, 107)` looks like.

```
.text, #text, p{  
    color:rgb(254, 253, 107)  
}
```

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(254, 253, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 253, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 70.440, 104.426 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(254, 253, 107) }
```

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

```
.border{ border-color:rgb(254, 253, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 253, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 253, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 253, 107);  
box-shadow:4px 4px 4px 4px rgb(254, 253,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 70.440, 104.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 253, 107) }
```

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

```
.background{ background-color: rgb(254,  
253, 107) }
```

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