

Converting Colors

CIELCh(100, 86.738, 101.400)

Have a look what the booklet for
CIELCh(100, 86.738, 101.400)
contains.

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Color

CIELCh(97, 84.420, 103.752)

Conversions

Conversions Part 1

Format	Color
Hex	FEFE46
RGB	254, 254, 70
RGB Percent	100%, 100%, 27%
CMY	0.0039, 0.0036, 0.7256
CMYK	0.00, 0.00, 0.72, 0.00
HSL	60°, 99%, 64%
HSV	60°, 72%, 100%
XYZ	77.4428, 92.4403, 19.5486
YIQ	233.0240, 59.0640, -57.2240

Conversions

Conversions Part 2

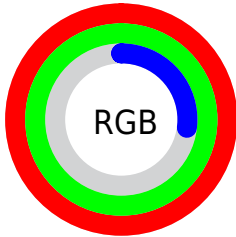
Format	Color
R_{YB}	70, 254, 70
Decimal	16711238
CIE _{Lab}	97.00, -20.07, 82.00
CIE _{LCh}	97, 84.420, 103.752
Yxy	92.4403, 0.4088, 0.4880
Android (android.graphics.Color)	4294901318 (0xFFFEFE46)
YUV	233.0240, -80.3708, 18.3960
Hunter-Lab	96.1459, -24.4786, 55.2471

Details

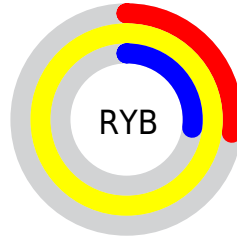
The CIELCh color **97, 84.420, 103.752** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **43, 107.095, 302.534**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 61.322, 105.484**, and **77, 80.149, 104.423** is the 20% darker color. If you saturate the color by 10%, you get **97, 91.138, 103.266**, and if you desaturate by 10%, it is **97, 75.504, 104.415**.

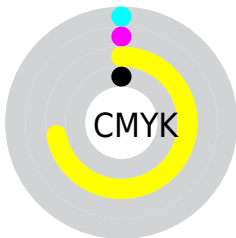
Distribution



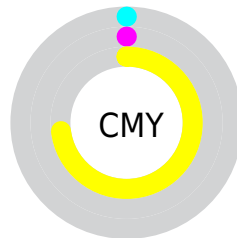
- Red (100%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 84.420, 103.752 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, 84.420, 103.752 by changing the saturation by 10% instead.


 97, 84.420,
103.752


 97, 84.420,
103.752


 100, 84.420,
103.752


 87, 84.420,
103.752

 77, 84.420,
103.752

 67, 84.420,
103.752

 57, 84.420,
103.752

 47, 84.420,
103.752

 37, 84.420,
103.752

 27, 84.420,

103.752

■ 17, 84.420,
103.752

■ 7, 84.420, 103.752

■ 97, 84.420,
103.752

■ 97, 84.420,
103.752

■ 97, 91.138,
103.266

■ 97, 75.504,
104.415

■ 97, 95.178,
102.978

■ 97, 65.016,
105.207

■ 97, 96.644,
102.876

■ 98, 53.495,
106.090

■ 98, 41.331,
107.030

■ 98, 28.786,
108.000

■ 99, 16.028,
108.978

■ 100, 3.164,
109.932

■ 100, 0.481,
290.673

■ 100, 0.481,
291.070

Harmonies

Complementary

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



97, 84.420, 103.752



43, 107.095, 302.534

Rectangle

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



97, 84.420, 103.752



97, 84.420, 153.752



97, 84.420, 283.752



97, 84.420, 333.752

Sweetspot

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



97, 84.420, 103.754



99, 28.283, 108.045



58, 80.538, 31.558



53, 18.977, 107.780



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, 84.420, 103.754



97, 93.582, 103.110



91, 92.457, 126.327



53, 7.338, 109.266



75, 78.056, 102.875



26, 35.525, 103.014

Inverse Universe

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



43, 107.095, 302.534



35, 125.826, 305.168



51, 103.310, 312.511



49, 7.504, 291.188



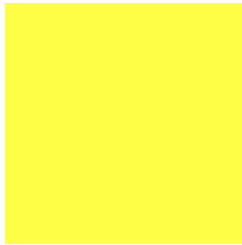
23, 107.779, 306.288



3, 44.128, 301.766

Previews

White Background



This preview shows how the CIELCh color 97, 84.420, 103.752 looks on a white background.

Color Contrast Check

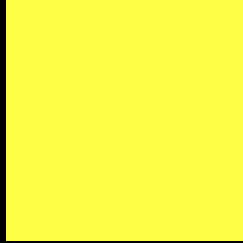
Large Text (above 18pt) WCAG AA × Fail

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, 84.420, 103.752 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, 84.420, 103.752

Background



This preview shows how black text looks on a background with the CIELCh color 97, 84.420, 103.752.



This preview shows how white text looks on a background with the CIELCh color 97, 84.420, 103.752.

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](#).

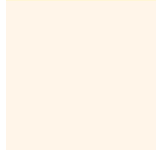
Dichromacy



Original Color
97, 84.383, 103.736



Protanopia
97, 16.616, 97.306



Deuteranopia
97, 7.081, 79.029

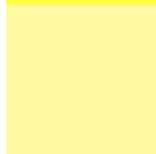


Tritanopia
97, 5.567, 339.698

Trichromacy



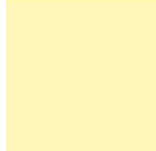
Original Color
97, 84.383, 103.736



Protanomaly
97, 43.737, 103.675



Deuteranomaly
97, 37.429, 103.085

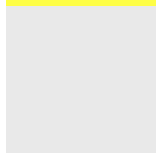


Tritanomaly
97, 31.542, 102.118

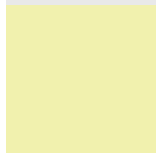
Monochromacy



Original Color
97, 84.383, 103.736



Achromatopsia
92, 0.011, 296.813



Achromatomaly
94, 34.031, 107.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 84.420, 103.752 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, 254, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 70)  
}
```

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, 254, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 84.420, 103.752 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, 254, 70) }
```

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

```
.border{ border-color:rgb(254, 254, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 254, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 84.420, 103.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 70) }
```

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

```
.background{ background-color: rgb(254,  
254, 70) }
```

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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