

Converting Colors

CIELCh(89, 84.891, 97.309)

Have a look what the booklet for
CIELCh(89, 84.891, 97.309) contains.

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Color

CIELCh(89, 84.827, 97.339)

Conversions

Conversions Part 1

Format	Color
Hex	F6E222
RGB	246, 226, 34
RGB Percent	96%, 89%, 13%
CMY	0.0349, 0.1134, 0.8661
CMYK	0.00, 0.08, 0.86, 0.03
HSL	54°, 92%, 55%
HSV	54°, 86%, 97%
XYZ	65.5480, 74.1641, 12.3844
YIQ	210.0920, 73.5520, -55.4720

Conversions

Conversions Part 2

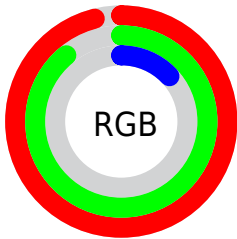
Format	Color
RYB	56, 246, 34
Decimal	16179746
CIELab	89.00, -10.84, 84.13
CIELCh	89, 84.827, 97.339
Yxy	74.1641, 0.4310, 0.4876
Android (android.graphics.Color)	4294369826 (0xFFFF6E222)
YUV	210.0920, -86.8134, 31.4913
Hunter-Lab	86.1186, -14.8447, 51.7568

Details

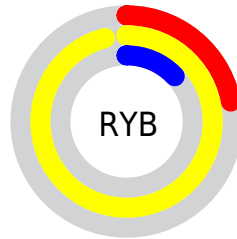
The CIELCh color **89, 84.827, 97.339** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **37, 112.664, 302.852**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **69, 72.123, 97.782** is the 20% darker color. If you saturate the color by 10%, you get **88, 87.586, 96.575**, and if you desaturate by 10%, it is **90, 79.304, 98.183**.

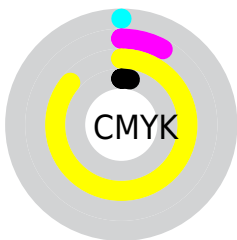
Distribution



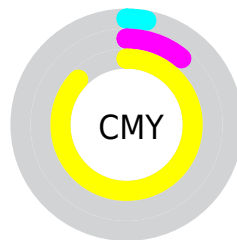
- Red (96%)
- Green (89%)
- Blue (13%)



- Red (22%)
- Yellow (96%)
- Blue (13%)



- Cyan (0%)
- Magenta (8%)
- Yellow (86%)
- Black (3%)



- Cyan (3%)
- Magenta (11%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 84.827, 97.339 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 89, 84.827, 97.339 by changing the saturation by 10% instead.

89, 84.827, 97.339

89, 84.827, 97.339

100, 84.827,
97.339

79, 84.827, 97.339

69, 84.827, 97.339

59, 84.827, 97.339

49, 84.827, 97.339

39, 84.827, 97.339

29, 84.827, 97.339

19, 84.827, 97.339

9, 84.827, 97.339

0, 84.827, 97.339

■ 89, 84.827, 97.339

■ 89, 84.827, 97.339

■ 88, 87.586, 96.575

■ 90, 79.304, 98.183

■ 88, 88.145, 96.290

■ 90, 71.523, 99.107

■ 91, 62.177,
100.101

■ 92, 51.850,
101.145

■ 93, 40.951,
102.217

■ 94, 29.742,
103.298

■ 95, 18.384,
104.373

■ 96, 6.974, 105.423

■ 97, 4.107, 286.156

Harmonies

Complementary

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



89, 84.827, 97.339



37, 112.664, 302.852

Rectangle

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



89, 84.827, 97.339



89, 84.827, 147.339



89, 84.827, 277.339



89, 84.827, 327.339

Sweetspot

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



89, 84.826, 97.341



97, 30.469, 103.306



53, 87.265, 30.560



51, 20.631, 102.931



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 84.826, 97.341



91, 90.542, 96.276



89, 97.513, 123.172



51, 6.451, 105.075



69, 71.558, 96.412



22, 30.670, 97.669

Inverse Universe

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



37, 112.664, 302.852



34, 129.319, 305.341



41, 115.946, 310.207



47, 6.568, 287.141



24, 101.078, 305.063



4, 37.289, 298.157

Previews

White Background



This preview shows how the CIELCh color 89, 84.827, 97.339 looks on a white background.

Color Contrast Check

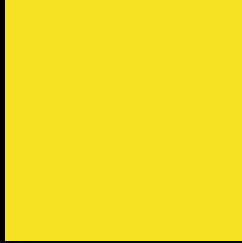
Large Text (above 18pt) WCAG AA × Fail

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 89, 84.827, 97.339 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 89, 84.827, 97.339

Background



This preview shows how black text looks on a background with the CIELCh color 89, 84.827, 97.339.

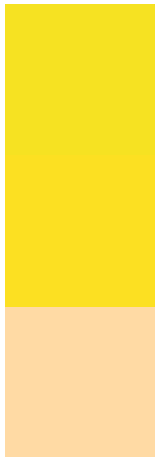


This preview shows how white text looks on a background with the CIELCh color 89, 84.827, 97.339.

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

89, 84.827, 97.339

Protanopia

89, 84.676, 94.956

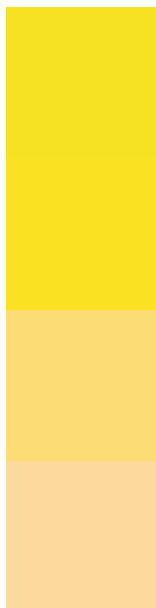
Deuteranopia

89, 31.842, 80.057



Tritanopia
89, 17.261, 355.873

Trichromacy



Original Color
89, 84.827, 97.339

Protanomaly
89, 84.792, 95.859

Deuteranomaly
89, 54.403, 91.888

Tritanomaly
88, 34.780, 83.474

Monochromacy



Original Color
89, 84.827, 97.339

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 36.292, 102.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 84.827, 97.339 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(246, 226, 34)` looks like.

```
.text, #text, p{  
    color:rgb(246, 226, 34)  
}
```

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(246, 226, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 226, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 84.827, 97.339 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(246, 226, 34) }
```

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

```
.border{ border-color:rgb(246, 226, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 226, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 226, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 226, 34);  
box-shadow:4px 4px 4px 4px rgb(246, 226,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 84.827, 97.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 226, 34) }
```

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

```
.background{ background-color: rgb(246,  
226, 34) }
```

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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