

Converting Colors

CIELCh(82, 84.098, 84.586)

Have a look what the booklet for
CIELCh(82, 84.098, 84.586) contains.

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Color

CIELCh(82, 83.952, 84.609)

Conversions

Conversions Part 1

Format	Color
Hex	FEC301
RGB	254, 195, 1
RGB Percent	100%, 76%, 0%
CMY	0.0026, 0.2341, 0.9962
CMYK	0.00, 0.23, 1.00, 0.00
HSL	46°, 99%, 50%
HSV	46°, 100%, 100%
XYZ	60.5824, 60.2982, 8.4725
YIQ	190.5250, 97.4380, -47.8260

Conversions

Conversions Part 2

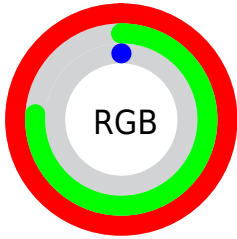
Format	Color
RYB	78, 254, 1
Decimal	16696065
CIELab	82.00, 7.89, 83.58
CIELCh	82, 83.952, 84.609
Yxy	60.2982, 0.4683, 0.4662
Android (android.graphics.Color)	4294886145 (0xFFFE301)
YUV	190.5250, -93.4358, 55.6676
Hunter-Lab	77.6519, 3.3711, 47.8873

Details

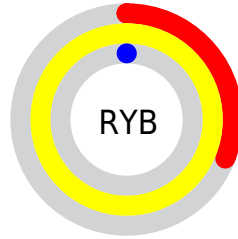
The CIELCh color **82, 83.952, 84.609** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **39, 114.089, 301.735**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.256, 102.921**, and **62, 67.498, 82.397** is the 20% darker color. If you saturate the color by 10%, you get **82, 84.014, 84.542**, and if you desaturate by 10%, it is **83, 81.748, 86.428**.

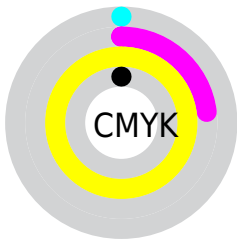
Distribution



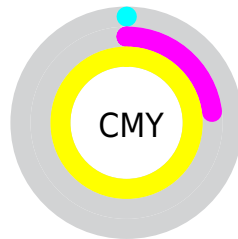
- Red (100%)
- Green (76%)
- Blue (0%)



- Red (31%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 83.952, 84.609 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 82, 83.952, 84.609 by changing the saturation by 10% instead.

 82, 83.952, 84.609

 82, 83.952, 84.609

 100, 83.952,
84.609

 72, 83.952, 84.609

 62, 83.952, 84.609

 52, 83.952, 84.609

 42, 83.952, 84.609

 32, 83.952, 84.609

 22, 83.952, 84.609

 12, 83.952, 84.609

 2, 83.952, 84.609

 0, 83.952, 84.609

■ 82, 83.952, 84.609

■ 82, 83.952, 84.609

■ 82, 84.014, 84.542

■ 83, 81.748, 86.428

■ 85, 76.756, 88.020

■ 87, 69.384, 89.465

■ 88, 60.492, 90.836

■ 90, 50.755, 92.168

■ 92, 40.609, 93.472

■ 94, 30.310, 94.750

■ 96, 19.998, 95.996

■ 98, 9.752, 97.198

Harmonies

Complementary

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



82, 83.952, 84.609



39, 114.089, 301.735

Rectangle

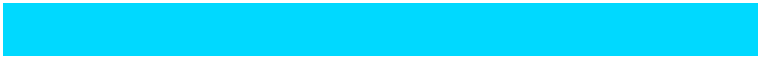
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 83.952, 84.609



82, 83.952, 134.609



82, 83.952, 264.609



82, 83.952, 314.609

Sweetspot

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



82, 83.951, 84.612



94, 30.763, 94.702



53, 91.445, 27.852



49, 21.009, 94.166



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 83.951, 84.612



82, 84.179, 84.539



92, 101.069, 118.455



52, 5.773, 97.212



63, 67.899, 84.905



21, 29.781, 87.237

Inverse Universe

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



39, 114.089, 301.735



39, 114.729, 301.833



35, 130.410, 307.764



50, 5.826, 279.548



28, 90.957, 301.345



6, 36.367, 296.531

Previews

White Background



This preview shows how the CIELCh color 82, 83.952, 84.609 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 82, 83.952, 84.609 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 82, 83.952, 84.609

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.952, 84.609.



This preview shows how white text looks on a background with the CIELCh color 82, 83.952, 84.609.

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

82, 83.858, 84.597

Protanopia

82, 81.786, 95.216

Deuteranopia

82, 71.597, 81.948



Tritanopia
82, 26.785, 9.296

Trichromacy



Original Color
82, 83.858, 84.597

Protanomaly
82, 82.078, 91.090

Deuteranomaly
82, 78.143, 83.125

Tritanomaly
81, 44.240, 67.855

Monochromacy



Original Color
82, 83.858, 84.597

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 38.451, 93.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.952, 84.609 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, 195, 1)` looks like.

```
.text, #text, p{  
    color:rgb(254, 195, 1)  
}
```

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, 195, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 195, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.952, 84.609 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, 195, 1) }
```

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

```
.border{ border-color:rgb(254, 195, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 195, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 195, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 195, 1);  
box-shadow:4px 4px 4px 4px rgb(254, 195,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.952, 84.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 195, 1) }
```

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

```
.background{ background-color: rgb(254,  
195, 1) }
```

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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