

Converting Colors

CIELCh(82, 83.993, 83.946)

Have a look what the booklet for
CIELCh(82, 83.993, 83.946) contains.

CIELCh(82, 83.924, 84.303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(82, 83.924, 84.303)

Conversions

Conversions Part 1

Format	Color
Hex	FFC302
RGB	255, 195, 2
RGB Percent	100%, 76%, 1%
CMY	0.0000, 0.2352, 0.9920
CMYK	0.00, 0.24, 0.99, 0.00
HSL	46°, 100%, 50%
HSV	46°, 99%, 100%
XYZ	60.7699, 60.2982, 8.4937
YIQ	190.9380, 97.7130, -47.3030

Conversions

Conversions Part 2

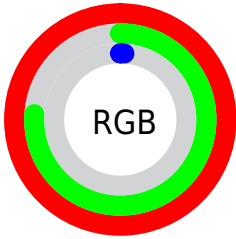
Format	Color
RYB	81, 255, 2
Decimal	16761602
CIELab	82.00, 8.33, 83.51
CIELCh	82, 83.924, 84.303
Yxy	60.2982, 0.4690, 0.4654
Android (android.graphics.Color)	4294951682 (0xFFFFC302)
YUV	190.9380, -93.1464, 56.1824
Hunter-Lab	77.6519, 3.8021, 47.8711

Details

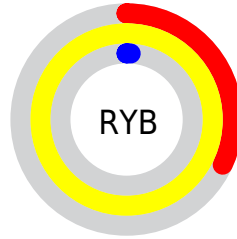
The CIELCh color **82, 83.924, 84.303** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **39, 113.307, 301.476**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.892, 102.943**, and **62, 67.687, 82.035** is the 20% darker color. If you saturate the color by 10%, you get **82, 84.057, 84.156**, and if you desaturate by 10%, it is **84, 81.615, 86.150**.

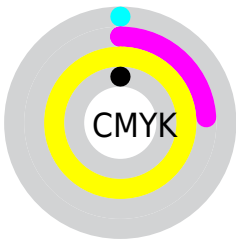
Distribution



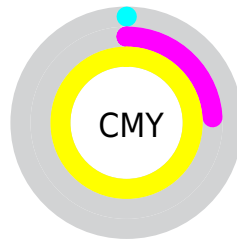
- Red (100%)
- Green (76%)
- Blue (1%)



- Red (32%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (24%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 83.924, 84.303 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, 83.924, 84.303 by changing the saturation by 10% instead.

 82, 83.924, 84.303

 82, 83.924, 84.303

 100, 83.924,
84.303

 72, 83.924, 84.303

 62, 83.924, 84.303

 52, 83.924, 84.303

 42, 83.924, 84.303

 32, 83.924, 84.303

 22, 83.924, 84.303

 12, 83.924, 84.303

 2, 83.924, 84.303

 0, 83.924, 84.303

82, 83.924, 84.303

82, 83.924, 84.303

82, 84.057, 84.156

84, 81.615, 86.150

85, 76.476, 87.756

87, 68.997, 89.212

88, 60.038, 90.592

90, 50.269, 91.930

92, 40.114, 93.240

94, 29.819, 94.522

96, 19.523, 95.771

98, 9.299, 96.975

Harmonies

Complementary

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



82, 83.924, 84.303



39, 113.307, 301.476

Rectangle

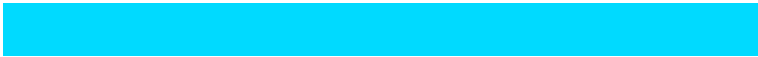
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 83.924, 84.303



82, 83.924, 134.303



82, 83.924, 264.303



82, 83.924, 314.303

Sweetspot

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



82, 83.922, 84.307



94, 30.644, 94.420



54, 90.442, 26.268



49, 20.930, 93.882



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, 83.922, 84.307



82, 84.057, 84.156



93, 100.682, 117.553



52, 5.748, 96.939



63, 67.799, 84.530



21, 29.699, 86.894

Inverse Universe

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



39, 113.307, 301.476



39, 114.165, 301.682



35, 130.784, 307.588



50, 5.799, 279.283



29, 90.497, 301.187



6, 36.196, 296.380

Previews

White Background



This preview shows how the CIELCh color 82, 83.924, 84.303 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, 83.924, 84.303 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, 83.924, 84.303

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.924, 84.303.



This preview shows how white text looks on a background with the CIELCh color 82, 83.924, 84.303.

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, 83.924, 84.303

Protanopia

82, 81.786, 95.216

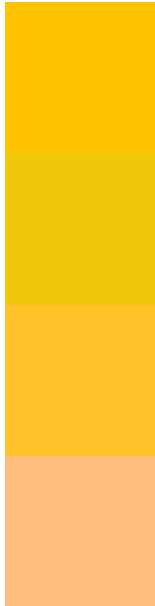
Deuteranopia

82, 71.597, 81.948



Tritanopia
82, 26.785, 9.296

Trichromacy



Original Color
82, 83.924, 84.303

Protanomaly
82, 82.078, 91.090

Deuteranomaly
82, 77.893, 83.085

Tritanomaly
81, 44.240, 67.855

Monochromacy



Original Color
82, 83.924, 84.303

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 38.095, 92.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.924, 84.303 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(255, 195, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 2)  
}
```

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(255, 195, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.924, 84.303 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(255, 195, 2) }
```

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

```
.border{ border-color:rgb(255, 195, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.924, 84.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 2) }
```

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

```
.background{ background-color: rgb(255,  
195, 2) }
```

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