

Converting Colors

CIELCh(83, 78.636, 84.882)

Have a look what the booklet for
CIELCh(83, 78.636, 84.882) contains.

CIELCh(83, 78.622, 85.043)	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(83, 78.622, 85.043)

Conversions

Conversions Part 1

Format	Color
Hex	FFC728
RGB	255, 199, 40
RGB Percent	100%, 78%, 16%
CMY	0.0006, 0.2201, 0.8439
CMYK	0.00, 0.22, 0.84, 0.00
HSL	44°, 100%, 58%
HSV	44°, 84%, 100%
XYZ	61.9511, 62.1629, 10.7237
YIQ	197.6180, 84.4150, -37.5770

Conversions

Conversions Part 2

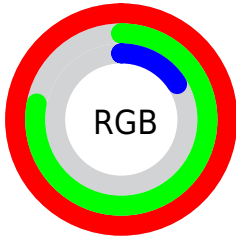
Format	Color
R _Y B	116, 255, 40
Decimal	16762664
CIE Lab	83.00, 6.79, 78.33
CIE LCh	83, 78.622, 85.043
Yxy	62.1629, 0.4594, 0.4610
Android (android.graphics.Color)	4294952744 (0xFFFFC728)
YUV	197.6180, -77.7057, 50.3240
Hunter-Lab	78.8435, 2.2799, 47.1262

Details

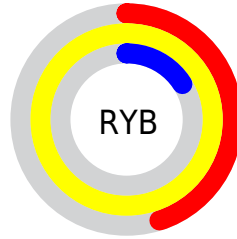
The CIELCh color **83, 78.622, 85.043** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 92.762, 295.871**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **63, 68.110, 83.937** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.389, 83.172**, and if you desaturate by 10%, it is **85, 72.133, 86.665**.

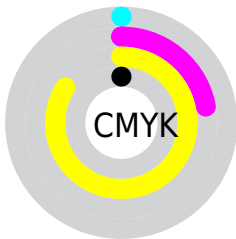
Distribution



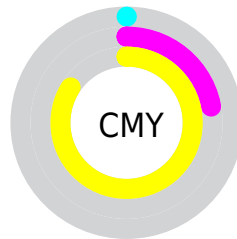
- Red (100%)
- Green (78%)
- Blue (16%)



- Red (45%)
- Yellow (100%)
- Blue (16%)



- Cyan (0%)
- Magenta (22%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 78.622, 85.043 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 83, 78.622, 85.043 by changing the saturation by 10% instead.

83, 78.622, 85.043

83, 78.622, 85.043

100, 78.622,
85.043

73, 78.622, 85.043

63, 78.622, 85.043

53, 78.622, 85.043

43, 78.622, 85.043

33, 78.622, 85.043

23, 78.622, 85.043

13, 78.622, 85.043

3, 78.622, 85.043

0, 78.622, 85.043

83, 78.622, 85.043

83, 78.622, 85.043

81, 82.389, 83.172

85, 72.133, 86.665

80, 83.418, 81.997

87, 63.799, 88.143

88, 54.414, 89.548

90, 44.513, 90.909

92, 34.412, 92.236

95, 24.288, 93.528

97, 14.234, 94.781

99, 4.296, 95.961

100, 0.056,
211.229

Harmonies

Complementary

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



83, 78.622, 85.043



47, 92.762, 295.871

Rectangle

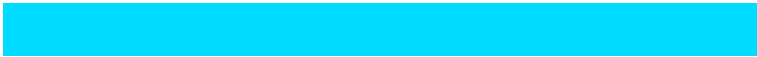
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 78.622, 85.043



83, 78.622, 135.043



83, 78.622, 265.043



83, 78.622, 315.043

Sweetspot

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



83, 78.621, 85.046



94, 24.931, 93.449



56, 81.597, 16.866



50, 17.040, 92.998



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 78.621, 85.046



80, 83.458, 81.996



94, 94.927, 115.595



52, 5.611, 95.371



62, 67.305, 82.414



21, 29.258, 84.934

Inverse Universe

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



47, 92.762, 295.871



40, 110.916, 300.782



39, 120.355, 307.212



50, 5.650, 277.759



30, 87.858, 300.252



7, 35.204, 295.462

Previews

White Background



This preview shows how the CIELCh color 83, 78.622, 85.043 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 83, 78.622, 85.043 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 83, 78.622, 85.043

Background



This preview shows how black text looks on a background with the CIELCh color 83, 78.622, 85.043.



This preview shows how white text looks on a background with the CIELCh color 83, 78.622, 85.043.

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


83, 78.622, 85.043

Protanopia

83, 77.191, 94.918

Deuteranopia

83, 62.747, 81.634



Tritanopia
83, 25.648, 7.427

Trichromacy



Original Color
83, 78.622, 85.043

Protanomaly
83, 77.445, 91.262

Deuteranomaly
83, 69.404, 83.145

Tritanomaly
83, 37.851, 64.848

Monochromacy



Original Color
83, 78.622, 85.043

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 31.677, 92.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 78.622, 85.043 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, 199, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 40)  
}
```

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, 199, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 78.622, 85.043 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, 199, 40) }
```

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

```
.border{ border-color:rgb(255, 199, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 78.622, 85.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 40) }
```

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

```
.background{ background-color: rgb(255,  
199, 40) }
```

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