

Converting Colors

CIELCh(83, 69.267, 82.547)

Have a look what the booklet for
CIELCh(83, 69.267, 82.547) contains.

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Color

CIELCh(83, 69.035, 83.071)

Conversions

Conversions Part 1

Format	Color
Hex	FFC646
RGB	255, 198, 70
RGB Percent	100%, 78%, 27%
CMY	0.0000, 0.2231, 0.7250
CMYK	0.00, 0.22, 0.73, 0.00
HSL	42°, 100%, 64%
HSV	42°, 73%, 100%
XYZ	62.6114, 62.1629, 14.5110
YIQ	200.4510, 75.0600, -27.7240

Conversions

Conversions Part 2

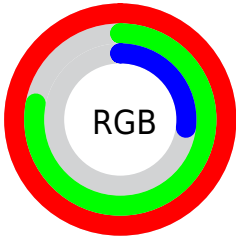
Format	Color
RYB	152, 255, 70
Decimal	16762438
CIELab	83.00, 8.33, 68.53
CIELCh	83, 69.035, 83.071
Yxy	62.1629, 0.4495, 0.4463
Android (android.graphics.Color)	4294952518 (0xFFFFC646)
YUV	200.4510, -64.3123, 47.8395
Hunter-Lab	78.8435, 3.7748, 44.2782

Details

The CIELCh color **83, 69.035, 83.071** 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 **56, 73.151, 289.097**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 63.133, 104.963**, and **63, 68.175, 83.102** is the 20% darker color. If you saturate the color by 10%, you get **81, 76.188, 81.370**, and if you desaturate by 10%, it is **85, 60.315, 84.679**.

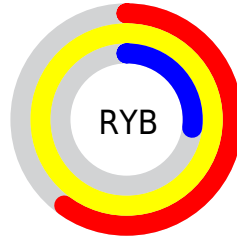
Distribution



Red (100%)

Green (78%)

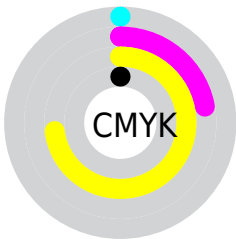
Blue (27%)



Red (60%)

Yellow (100%)

Blue (27%)

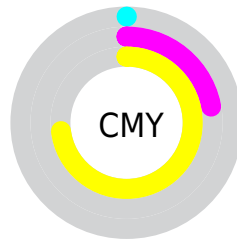


Cyan (0%)

Magenta (22%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 69.035, 83.071 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, 69.035, 83.071 by changing the saturation by 10% instead.

 83, 69.035, 83.071

 83, 69.035, 83.071

 100, 69.035,
83.071

 73, 69.035, 83.071

 63, 69.035, 83.071

 53, 69.035, 83.071

 43, 69.035, 83.071

 33, 69.035, 83.071

 23, 69.035, 83.071

 13, 69.035, 83.071

 3, 69.035, 83.071

 0, 69.035, 83.071

83, 69.035, 83.071

83, 69.035, 83.071

81, 76.188, 81.370

85, 60.315, 84.679

79, 80.889, 79.301

87, 50.840, 86.149

78, 82.678, 77.486

90, 41.049, 87.562

92, 31.199, 88.932

94, 21.426, 90.262

97, 11.794, 91.545

99, 2.332, 92.701

100, 0.012,
296.813

Harmonies

Complementary

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



83, 69.035, 83.071



56, 73.151, 289.097

Rectangle

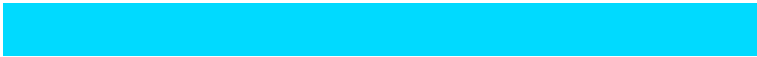
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 69.035, 83.071



83, 69.035, 133.071



83, 69.035, 263.071



83, 69.035, 313.071

Sweetspot

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



83, 69.013, 83.114



94, 20.936, 90.328



59, 73.024, 7.727



50, 14.100, 89.972



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, 69.013, 83.114



80, 78.662, 80.491



95, 85.954, 113.008



52, 5.346, 91.917



60, 66.638, 77.991



20, 28.461, 80.721

Inverse Universe

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



56, 73.151, 289.097



48, 89.414, 294.195



45, 106.139, 305.322



50, 5.359, 274.388



32, 82.173, 298.052



8, 32.982, 293.124

Previews

White Background



This preview shows how the CIELCh color 83, 69.035, 83.071 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, 69.035, 83.071 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, 69.035, 83.071

Background



This preview shows how black text looks on a background with the CIELCh color 83, 69.035, 83.071.



This preview shows how white text looks on a background with the CIELCh color 83, 69.035, 83.071.

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, 69.035, 83.071

Protanopia

83, 66.912, 95.345

Deuteranopia

83, 60.483, 80.543



Tritanopia
83, 25.648, 7.427

Trichromacy



Original Color
83, 69.035, 83.071

Protanomaly
83, 67.328, 90.824

Deuteranomaly
83, 63.795, 81.452

Tritanomaly
83, 33.531, 58.022

Monochromacy



Original Color
83, 69.035, 83.071

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 26.231, 89.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 69.035, 83.071 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, 198, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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(255, 198, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 69.035, 83.071 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, 198, 70) }
```

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

```
.border{ border-color:rgb(255, 198, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 198, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 69.035, 83.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 70) }
```

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

```
.background{ background-color: rgb(255,  
198, 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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