

Converting Colors

CIELCh(83, 68.846, 83.562)

Have a look what the booklet for
CIELCh(83, 68.846, 83.562) contains.

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Color

CIELCh(83, 69.035, 83.853)

Conversions

Conversions Part 1	
Format	Color
Hex	FEC746
RGB	254, 199, 70
RGB Percent	100%, 78%, 27%
CMY	0.0052, 0.2207, 0.7266
CMYK	0.00, 0.22, 0.73, 0.01
HSL	42°, 99%, 63%
HSV	42°, 73%, 99%
XYZ	62.2081, 62.1629, 14.4654
YIQ	200.7390, 74.1890, -28.4590

Conversions

Conversions Part 2

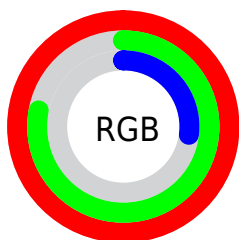
Format	Color
RYB	148, 254, 70
Decimal	16697158
CIELab	83.00, 7.39, 68.64
CIELCh	83, 69.035, 83.853
Yxy	62.1629, 0.4481, 0.4477
Android (android.graphics.Color)	4294887238 (0xFFFE746)
YUV	200.7390, -64.4543, 46.7099
Hunter-Lab	78.8435, 2.8617, 44.3125

Details

The CIELCh color **83, 69.035, 83.853** 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 **55, 73.850, 289.664**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.548, 105.314**, and **63, 67.996, 83.464** is the 20% darker color. If you saturate the color by 10%, you get **81, 76.124, 82.139**, and if you desaturate by 10%, it is **85, 60.398, 85.404**.

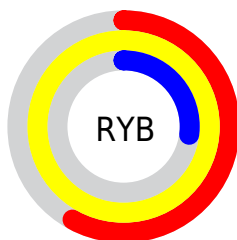
Distribution



Red (100%)

Green (78%)

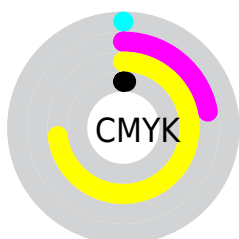
Blue (27%)



Red (58%)

Yellow (100%)

Blue (27%)

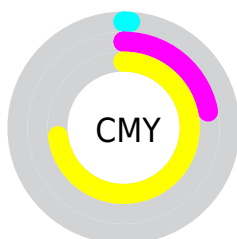


Cyan (0%)

Magenta (22%)

Yellow (73%)

Black (1%)



Cyan (1%)

Magenta (22%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 69.035, 83.853 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, 83.853 by changing the saturation by 10% instead.

 83, 69.035, 83.853

 83, 69.035, 83.853

 100, 69.035,
83.853

 73, 69.035, 83.853

 63, 69.035, 83.853

 53, 69.035, 83.853

 43, 69.035, 83.853

 33, 69.035, 83.853

 23, 69.035, 83.853

 13, 69.035, 83.853

 3, 69.035, 83.853

 0, 69.035, 83.853

 83, 69.035, 83.853

 83, 69.035, 83.853

 81, 76.124, 82.139

 85, 60.398, 85.404

 79, 80.730, 80.115

 87, 50.959, 86.861

 78, 82.453, 78.354

 89, 41.181, 88.265

 92, 31.325, 89.627

 94, 21.530, 90.949

 96, 11.865, 92.225

 99, 2.359, 93.378

100, 0.460,
200.816

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, 83.853



55, 73.850, 289.664

Rectangle

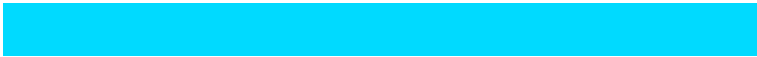
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 69.035, 83.853



83, 69.035, 133.853



83, 69.035, 263.853



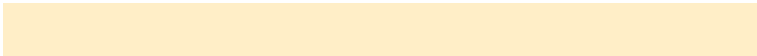
83, 69.035, 313.853

Sweetspot

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



83, 69.035, 83.856



95, 21.112, 91.016



59, 72.743, 9.079



50, 14.217, 90.662



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, 69.035, 83.856



81, 78.869, 81.277



94, 85.843, 113.811



52, 5.395, 92.597



60, 66.728, 78.834



20, 28.600, 81.538

Inverse Universe

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



55, 73.850, 289.664



48, 90.656, 294.706



45, 105.581, 305.629



50, 5.412, 275.053



31, 83.272, 298.499



8, 33.422, 293.621

Previews

White Background



This preview shows how the CIELCh color 83, 69.035, 83.853 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, 83.853 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, 83.853

Background



This preview shows how black text looks on a background with the CIELCh color 83, 69.035, 83.853.



This preview shows how white text looks on a background with the CIELCh color 83, 69.035, 83.853.

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, 83.853

Protanopia

83, 67.297, 95.358

Deuteranopia

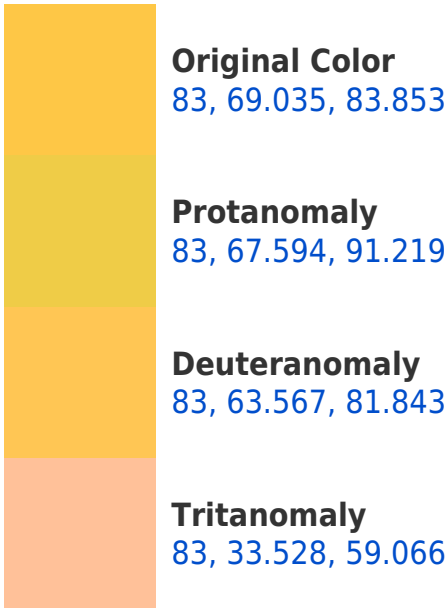
83, 60.061, 80.418



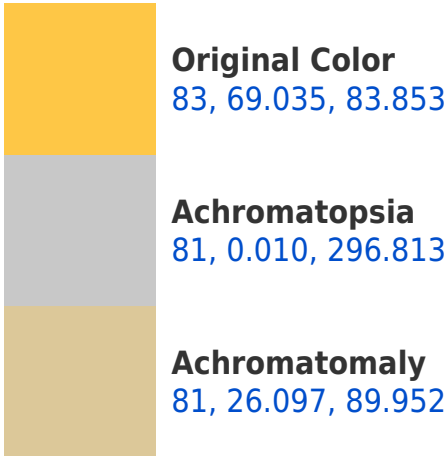
Tritanopia

83, 25.648, 7.427

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 69.035, 83.853 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, 199, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 199, 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(254, 199, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 199, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 69.035, 83.853 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, 199, 70) }
```

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

```
.border{ border-color:rgb(254, 199, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 199, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 199, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 199, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 199,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 69.035, 83.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 199, 70) }
```

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

```
.background{ background-color: rgb(254,  
199, 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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