

Converting Colors

CIELCh(83, 71.424, 90.794)

Have a look what the booklet for
CIELCh(83, 71.424, 90.794) contains.

CIELCh(83, 71.442, 90.833)	3
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Color

CIELCh(83, 71.442, 90.833)

Conversions

Conversions Part 1

Format	Color
Hex	F1CC3D
RGB	241, 204, 61
RGB Percent	95%, 80%, 24%
CMY	0.0553, 0.2003, 0.7611
CMYK	0.00, 0.15, 0.75, 0.06
HSL	48°, 86%, 59%
HSV	48°, 75%, 94%
XYZ	58.6536, 62.1629, 13.3085
YIQ	198.7610, 67.9550, -36.6290

Conversions

Conversions Part 2

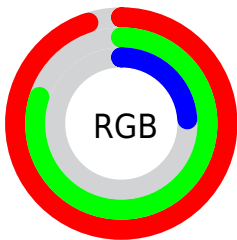
Format	Color
RYB	108, 241, 61
Decimal	15846461
CIELab	83.00, -1.04, 71.43
CIElCh	83, 71.442, 90.833
Yxy	62.1629, 0.4373, 0.4635
Android (android.graphics.Color)	4294036541 (0xFFFF1CC3D)
YUV	198.7610, -67.9162, 37.0436
Hunter-Lab	78.8435, -5.1855, 45.1825

Details

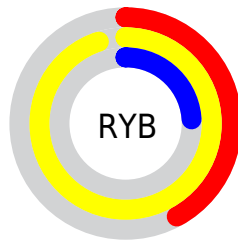
The CIELCh color **83, 71.442, 90.833** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 83.626, 295.437**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 66.602, 105.082**, and **63, 66.992, 90.346** is the 20% darker color. If you saturate the color by 10%, you get **82, 77.393, 89.460**, and if you desaturate by 10%, it is **84, 63.579, 92.147**.

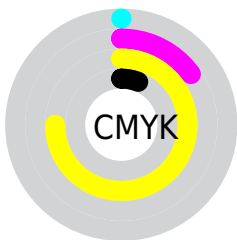
Distribution



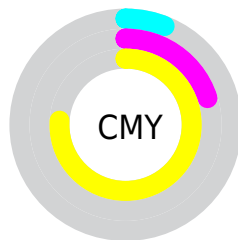
- Red (95%)
- Green (80%)
- Blue (24%)



- Red (42%)
- Yellow (95%)
- Blue (24%)



- Cyan (0%)
- Magenta (15%)
- Yellow (75%)
- Black (6%)



- Cyan (6%)
- Magenta (20%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 71.442, 90.833 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, 71.442, 90.833 by changing the saturation by 10% instead.

 83, 71.442, 90.833

 83, 71.442, 90.833

 100, 71.442,
90.833

 73, 71.442, 90.833

 63, 71.442, 90.833

 53, 71.442, 90.833

 43, 71.442, 90.833

 33, 71.442, 90.833

 23, 71.442, 90.833

 13, 71.442, 90.833

 3, 71.442, 90.833

 0, 71.442, 90.833

83, 71.442, 90.833

83, 71.442, 90.833

82, 77.393, 89.460

84, 63.579, 92.147

80, 80.690, 87.950

86, 54.547, 93.429

80, 81.533, 87.095

87, 44.877, 94.694

89, 34.901, 95.942

91, 24.813, 97.167

92, 14.723, 98.361

94, 4.691, 99.498

96, 5.252, 280.696

97, 4.203, 252.141

Harmonies

Complementary

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



83, 71.442, 90.833



47, 83.626, 295.437

Rectangle

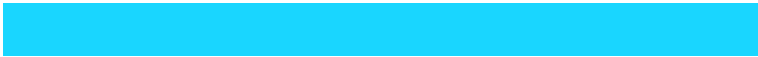
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 71.442, 90.833



83, 71.442, 140.833



83, 71.442, 270.833



83, 71.442, 320.833

Sweetspot

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



83, 71.442, 90.836



96, 23.111, 97.487



55, 72.304, 16.601



51, 15.540, 97.158



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, 71.442, 90.836



85, 83.089, 88.643



89, 85.493, 117.690



49, 5.647, 98.969



62, 66.609, 87.404



19, 26.833, 89.841

Inverse Universe

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



47, 83.626, 295.437



41, 107.087, 300.131



43, 103.424, 307.443



47, 5.711, 281.237



26, 90.865, 302.246



5, 32.433, 294.681

Previews

White Background



This preview shows how the CIELCh color 83, 71.442, 90.833 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, 71.442, 90.833 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, 71.442, 90.833

Background



This preview shows how black text looks on a background with the CIELCh color 83, 71.442, 90.833.



This preview shows how white text looks on a background with the CIELCh color 83, 71.442, 90.833.

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, 71.442, 90.833

Protanopia

83, 71.031, 95.115

Deuteranopia

83, 61.323, 80.786



Tritanopia
83, 24.101, 2.427

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 71.442, 90.833 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(241, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(241, 204, 61)  
}
```

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(241, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 204, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 71.442, 90.833 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(241, 204, 61) }
```

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

```
.border{ border-color:rgb(241, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(241, 204,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 71.442, 90.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 204, 61) }
```

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

```
.background{ background-color: rgb(241,  
204, 61) }
```

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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