

Converting Colors

CIELCh(83, 73.397, 89.886)

Have a look what the booklet for
CIELCh(83, 73.397, 89.886) contains.

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Color

CIELCh(83, 73.429, 89.928)

Conversions

Conversions Part 1

Format	Color
Hex	F3CB37
RGB	243, 203, 55
RGB Percent	95%, 80%, 22%
CMY	0.0463, 0.2032, 0.7835
CMYK	0.00, 0.16, 0.77, 0.05
HSL	47°, 89%, 59%
HSV	47°, 77%, 95%
XYZ	59.1224, 62.1629, 12.5223
YIQ	198.0880, 71.3480, -37.5480

Conversions

Conversions Part 2

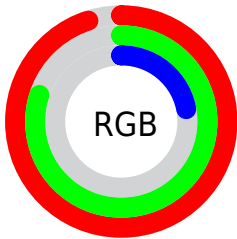
Format	Color
RYB	106, 243, 55
Decimal	15977271
CIELab	83.00, 0.09, 73.43
CIELCh	83, 73.429, 89.928
Yxy	62.1629, 0.4418, 0.4646
Android (android.graphics.Color)	4294167351 (0xFFFF3CB37)
YUV	198.0880, -70.5424, 39.3878
Hunter-Lab	78.8435, -4.1243, 45.7738

Details

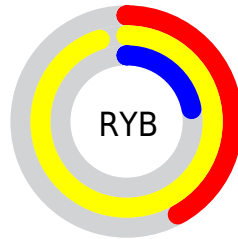
The CIELCh color **83, 73.429, 89.928** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **46, 86.643, 295.888**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **63, 66.925, 89.494** is the 20% darker color. If you saturate the color by 10%, you get **82, 78.813, 88.489**, and if you desaturate by 10%, it is **84, 65.919, 91.281**.

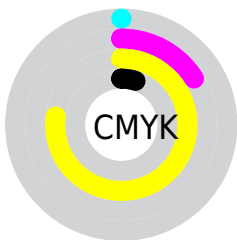
Distribution



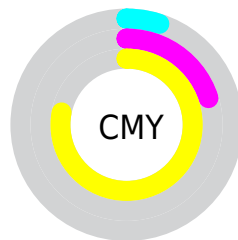
- Red (95%)
- Green (80%)
- Blue (22%)



- Red (42%)
- Yellow (95%)
- Blue (22%)



- Cyan (0%)
- Magenta (16%)
- Yellow (77%)
- Black (5%)



- Cyan (5%)
- Magenta (20%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 73.429, 89.928 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, 73.429, 89.928 by changing the saturation by 10% instead.

 83, 73.429, 89.928

 83, 73.429, 89.928

 100, 73.429,
89.928

 73, 73.429, 89.928

 63, 73.429, 89.928

 53, 73.429, 89.928

 43, 73.429, 89.928

 33, 73.429, 89.928

 23, 73.429, 89.928

 13, 73.429, 89.928

 3, 73.429, 89.928

 0, 73.429, 89.928

83, 73.429, 89.928

83, 73.429, 89.928

82, 78.813, 88.489

84, 65.919, 91.281

80, 81.424, 86.877

86, 57.073, 92.588

80, 81.860, 86.424

88, 47.485, 93.872

89, 37.533, 95.137

91, 27.439, 96.379

93, 17.330, 97.591

95, 7.274, 98.757

96, 2.692, 279.996

98, 3.479, 249.693

Harmonies

Complementary

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



83, 73.429, 89.928



46, 86.643, 295.888

Rectangle

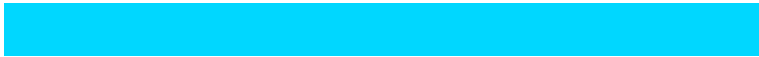
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 73.429, 89.928



83, 73.429, 139.928



83, 73.429, 269.928



83, 73.429, 319.928

Sweetspot

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



83, 73.429, 89.931



96, 23.994, 96.897



55, 74.893, 17.689



50, 16.624, 96.455



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, 73.429, 89.931



84, 83.652, 87.558



90, 88.080, 117.730



50, 5.702, 98.508



63, 67.079, 86.739



20, 27.883, 89.112

Inverse Universe

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



46, 86.643, 295.888



40, 109.668, 300.699



42, 107.411, 307.626



48, 5.762, 280.795



27, 91.124, 302.021



5, 33.934, 295.583

Previews

White Background



This preview shows how the CIELCh color 83, 73.429, 89.928 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, 73.429, 89.928 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, 73.429, 89.928

Background



This preview shows how black text looks on a background with the CIELCh color 83, 73.429, 89.928.



This preview shows how white text looks on a background with the CIELCh color 83, 73.429, 89.928.

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, 73.429, 89.928

Protanopia

83, 73.042, 95.167

Deuteranopia

83, 61.740, 80.903



Tritanopia
83, 25.071, 4.555

Trichromacy



Original Color
83, 73.429, 89.928

Protanomaly
83, 73.102, 93.430

Deuteranomaly
83, 66.224, 84.437

Tritanomaly
83, 33.204, 65.202

Monochromacy



Original Color
83, 73.429, 89.928

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 29.001, 96.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 73.429, 89.928 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(243, 203, 55)` looks like.

```
.text, #text, p{  
    color:rgb(243, 203, 55)  
}
```

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(243, 203, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 203, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 73.429, 89.928 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(243, 203, 55) }
```

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

```
.border{ border-color:rgb(243, 203, 55) }
```

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

Here you see how a box with a 4 pixel rgb(243, 203, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 203, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 203, 55);  
box-shadow:4px 4px 4px 4px rgb(243, 203,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 73.429, 89.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 203, 55) }
```

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

```
.background{ background-color: rgb(243,  
203, 55) }
```

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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