

Converting Colors

CIELCh(83, 74.099, 91.371)

Have a look what the booklet for
CIELCh(83, 74.099, 91.371) contains.

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Color

CIELCh(83, 73.947, 91.367)

Conversions

Conversions Part 1

Format	Color
Hex	F0CC35
RGB	240, 204, 53
RGB Percent	94%, 80%, 21%
CMY	0.0576, 0.1989, 0.7908
CMYK	0.00, 0.15, 0.78, 0.06
HSL	48°, 86%, 58%
HSV	48°, 78%, 94%
XYZ	58.3543, 62.1629, 12.3313
YIQ	197.5500, 69.9270, -39.3290

Conversions

Conversions Part 2

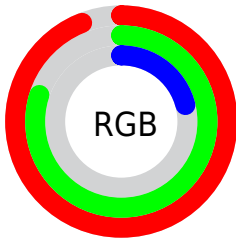
Format	Color
R _Y B	98, 240, 53
Decimal	15780917
CIE Lab	83.00, -1.76, 73.93
CIE LCh	83, 73.947, 91.367
Yxy	62.1629, 0.4393, 0.4679
Android (android.graphics.Color)	4293970997 (0xFFFF0CC35)
YUV	197.5500, -71.2631, 37.2287
Hunter-Lab	78.8435, -5.8632, 45.9174

Details

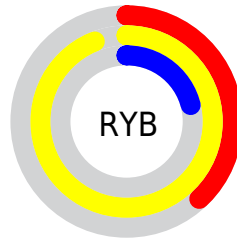
The CIELCh color **83, 73.947, 91.367** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **45, 88.792, 296.967**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.155, 104.889**, and **63, 66.879, 90.736** is the 20% darker color. If you saturate the color by 10%, you get **82, 79.095, 90.028**, and if you desaturate by 10%, it is **84, 66.619, 92.649**.

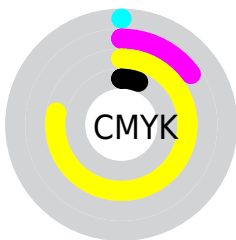
Distribution



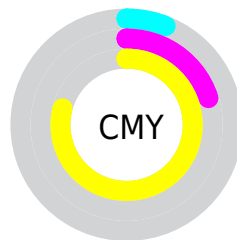
- Red (94%)
- Green (80%)
- Blue (21%)



- Red (38%)
- Yellow (94%)
- Blue (21%)



- Cyan (0%)
- Magenta (15%)
- Yellow (78%)
- Black (6%)



- Cyan (6%)
- Magenta (20%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 73.947, 91.367 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, 73.947, 91.367 by changing the saturation by 10% instead.



83, 73.947, 91.367

83, 73.947, 91.367

82, 79.095, 90.028

84, 66.619, 92.649

81, 81.509, 88.562

86, 57.881, 93.904

80, 81.853, 88.232

87, 48.334, 95.148

89, 38.370, 96.381

90, 28.224, 97.597

92, 18.033, 98.787

94, 7.872, 99.937

95, 2.217, 281.163

97, 4.990, 267.631

Harmonies

Complementary

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



83, 73.947, 91.367



45, 88.792, 296.967

Rectangle

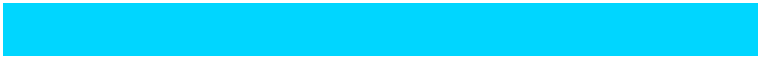
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 73.947, 91.367



83, 73.947, 141.367



83, 73.947, 271.367



83, 73.947, 321.367

Sweetspot

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



83, 73.947, 91.370



96, 24.476, 98.164



54, 74.963, 19.222



51, 16.952, 97.730



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, 73.947, 91.370



86, 84.456, 89.242



88, 87.959, 118.492



49, 5.724, 99.749



63, 66.994, 88.515



19, 27.109, 90.852

Inverse Universe

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



45, 88.792, 296.967



40, 112.340, 301.450



41, 106.803, 307.982



47, 5.793, 281.992



26, 92.129, 302.664



5, 32.783, 294.991

Previews

White Background



This preview shows how the CIELCh color 83, 73.947, 91.367 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, 73.947, 91.367 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, 73.947, 91.367

Background



This preview shows how black text looks on a background with the CIELCh color 83, 73.947, 91.367.



This preview shows how white text looks on a background with the CIELCh color 83, 73.947, 91.367.

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, 73.947, 91.367

Protanopia

83, 73.679, 95.181

Deuteranopia

83, 61.740, 80.903



Tritanopia
83, 23.592, 3.298

Trichromacy



Original Color
83, 73.947, 91.367

Protanomaly
83, 73.650, 93.793

Deuteranomaly
83, 66.648, 85.322

Tritanomaly
83, 32.417, 67.823

Monochromacy



Original Color
83, 73.947, 91.367

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 29.432, 97.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 73.947, 91.367 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(240, 204, 53)` looks like.

```
.text, #text, p{  
    color:rgb(240, 204, 53)  
}
```

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(240, 204, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 204, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 73.947, 91.367 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(240, 204, 53) }
```

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

```
.border{ border-color:rgb(240, 204, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 204, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 204, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 204, 53);  
box-shadow:4px 4px 4px 4px rgb(240, 204,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 73.947, 91.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 204, 53) }
```

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

```
.background{ background-color: rgb(240,  
204, 53) }
```

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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