

Converting Colors

CIELCh(83, 81.253, 89.848)

Have a look what the booklet for
CIELCh(83, 81.253, 89.848) contains.

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Color

CIELCh(83, 81.241, 89.886)

Conversions

Conversions Part 1

Format	Color
Hex	F5CB18
RGB	245, 203, 24
RGB Percent	96%, 80%, 9%
CMY	0.0394, 0.2041, 0.9061
CMYK	0.00, 0.17, 0.90, 0.04
HSL	49°, 92%, 53%
HSV	49°, 90%, 96%
XYZ	59.1512, 62.1629, 9.7408
YIQ	195.1520, 82.4910, -46.7650

Conversions

Conversions Part 2

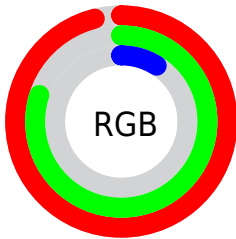
Format	Color
RYB	76, 245, 24
Decimal	16108312
CIELab	83.00, 0.16, 81.24
CIELCh	83, 81.241, 89.886
Yxy	62.1629, 0.4513, 0.4743
Android (android.graphics.Color)	4294298392 (0xFFFF5CB18)
YUV	195.1520, -84.3779, 43.7167
Hunter-Lab	78.8435, -4.0590, 47.8654

Details

The CIELCh color **83, 81.241, 89.886** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **39, 105.906, 300.742**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.384, 104.346**, and **63, 67.178, 88.722** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.142, 88.450**, and if you desaturate by 10%, it is **84, 76.694, 91.241**.

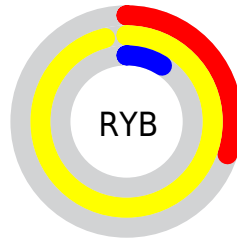
Distribution



Red (96%)

Green (80%)

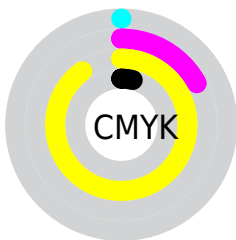
Blue (9%)



Red (30%)

Yellow (96%)

Blue (9%)

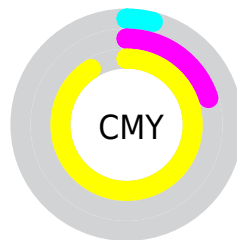


Cyan (0%)

Magenta (17%)

Yellow (90%)

Black (4%)



Cyan (4%)

Magenta (20%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 81.241, 89.886 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, 81.241, 89.886 by changing the saturation by 10% instead.

 83, 81.241, 89.886

 83, 81.241, 89.886

 100, 81.241,
89.886

 73, 81.241, 89.886

 63, 81.241, 89.886

 53, 81.241, 89.886

 43, 81.241, 89.886

 33, 81.241, 89.886

 23, 81.241, 89.886

 13, 81.241, 89.886

 3, 81.241, 89.886

 0, 81.241, 89.886

83, 81.241, 89.886

83, 81.241, 89.886

82, 83.142, 88.450

84, 76.694, 91.241

86, 69.735, 92.522

87, 61.150, 93.775

88, 51.604, 95.017

90, 41.546, 96.249

91, 31.251, 97.467

93, 20.880, 98.663

95, 10.521, 99.823

96, 0.225, 100.188

Harmonies

Complementary

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



83, 81.241, 89.886



39, 105.906, 300.742

Rectangle

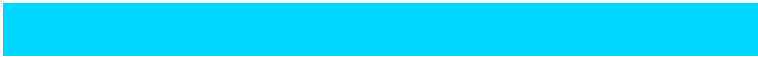
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 81.241, 89.886



83, 81.241, 139.886



83, 81.241, 269.886



83, 81.241, 319.886

Sweetspot

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



83, 81.240, 89.889



95, 28.828, 97.850



52, 85.036, 25.276



50, 19.431, 97.437



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, 81.240, 89.889



85, 85.696, 88.415



89, 96.330, 119.149



50, 5.840, 99.908



64, 67.763, 88.730



20, 28.377, 90.917

Inverse Universe

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



39, 105.906, 300.742



37, 120.211, 303.239



37, 120.676, 308.371



48, 5.912, 282.151



26, 93.418, 302.773



5, 34.633, 296.182

Previews

White Background



This preview shows how the CIELCh color 83, 81.241, 89.886 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, 81.241, 89.886 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, 81.241, 89.886

Background



This preview shows how black text looks on a background with the CIELCh color 83, 81.241, 89.886.



This preview shows how white text looks on a background with the CIELCh color 83, 81.241, 89.886.

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, 81.241, 89.886

Protanopia

83, 80.825, 94.967

Deuteranopia

83, 63.158, 81.740



Tritanopia
83, 25.828, 5.143

Trichromacy



Original Color
83, 81.241, 89.886

Protanomaly
83, 80.900, 93.386

Deuteranomaly
83, 71.243, 85.717

Tritanomaly
82, 38.444, 69.290

Monochromacy



Original Color
83, 81.241, 89.886

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 34.729, 96.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 81.241, 89.886 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(245, 203, 24)` looks like.

```
.text, #text, p{  
    color:rgb(245, 203, 24)  
}
```

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(245, 203, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 203, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 81.241, 89.886 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(245, 203, 24) }
```

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

```
.border{ border-color:rgb(245, 203, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 203, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 203, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 203, 24);  
box-shadow:4px 4px 4px 4px rgb(245, 203,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 81.241, 89.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 203, 24) }
```

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

```
.background{ background-color: rgb(245,  
203, 24) }
```

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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