

Converting Colors

CIELCh(81, 83.810, 83.330)

Have a look what the booklet for
CIELCh(81, 83.810, 83.330) contains.

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Color

CIELCh(81, 83.511, 83.150)

Conversions

Conversions Part 1

Format	Color
Hex	FEBF01
RGB	254, 191, 1
RGB Percent	100%, 75%, 0%
CMY	0.0030, 0.2501, 0.9973
CMYK	0.00, 0.25, 1.00, 0.00
HSL	45°, 99%, 50%
HSV	45°, 100%, 100%
XYZ	59.6423, 58.4711, 8.1614
YIQ	188.1770, 98.5380, -45.7340

Conversions

Conversions Part 2

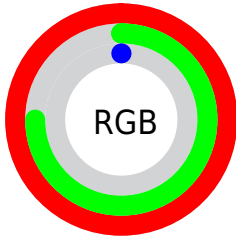
Format	Color
RYB	85, 254, 1
Decimal	16695041
CIELab	81.00, 9.96, 82.91
CIELCh	81, 83.511, 83.150
Yxy	58.4711, 0.4723, 0.4630
Android (android.graphics.Color)	4294885121 (0xFFFEBF01)
YUV	188.1770, -92.2783, 57.7268
Hunter-Lab	76.4664, 5.4102, 47.1984

Details

The CIELCh color **81, 83.511, 83.150** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **39, 112.028, 301.175**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.197, 101.672**, and **61, 67.146, 80.464** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.557, 83.100**, and if you desaturate by 10%, it is **83, 81.238, 85.092**.

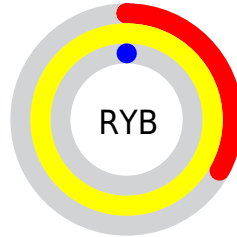
Distribution



Red (100%)

Green (75%)

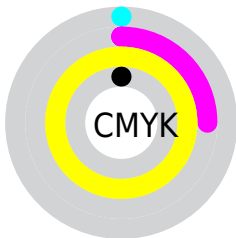
Blue (0%)



Red (33%)

Yellow (100%)

Blue (0%)

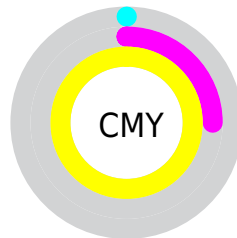


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 83.511, 83.150 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 81, 83.511, 83.150 by changing the saturation by 10% instead.

81, 83.511, 83.150

81, 83.511, 83.150

100, 83.511,
83.150

71, 83.511, 83.150

61, 83.511, 83.150

51, 83.511, 83.150

41, 83.511, 83.150

31, 83.511, 83.150

21, 83.511, 83.150

11, 83.511, 83.150

1, 83.511, 83.150

0, 83.511, 83.150

■ 81, 83.511, 83.150

■ 81, 83.511, 83.150

■ 81, 83.557, 83.100

■ 83, 81.238, 85.092

■ 84, 76.192, 86.769

■ 86, 68.791, 88.271

■ 88, 59.910, 89.682

■ 90, 50.224, 91.043

■ 91, 40.163, 92.371

■ 93, 29.976, 93.668

■ 96, 19.798, 94.931

■ 98, 9.703, 96.149

Harmonies

Complementary

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



81, 83.511, 83.150



39, 112.028, 301.175

Rectangle

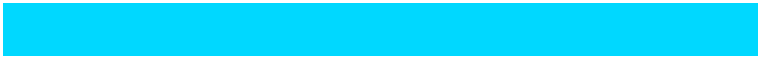
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 83.511, 83.150



81, 83.511, 133.150



81, 83.511, 263.150



81, 83.511, 313.150

Sweetspot

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



81, 83.509, 83.153



94, 30.320, 93.634



53, 90.523, 26.547



49, 20.715, 93.090



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 83.509, 83.153



81, 83.745, 83.096



93, 100.584, 117.602



52, 5.680, 96.176



62, 67.542, 83.492



21, 29.477, 85.936

Inverse Universe

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



39, 112.028, 301.175



39, 112.583, 301.250



35, 130.754, 307.585



50, 5.725, 278.541



29, 89.210, 300.737



7, 35.715, 295.943

Previews

White Background



This preview shows how the CIELCh color 81, 83.511, 83.150 looks on a white background.

Color Contrast Check

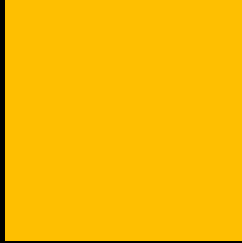
Large Text (above 18pt) WCAG AA × Fail

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 81, 83.511, 83.150 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 81, 83.511, 83.150

Background



This preview shows how black text looks on a background with the CIELCh color 81, 83.511, 83.150.



This preview shows how white text looks on a background with the CIELCh color 81, 83.511, 83.150.

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

81, 83.415, 83.137

Protanopia

81, 80.761, 95.108

Deuteranopia

81, 83.302, 82.816



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 83.415, 83.137

Protanomaly
81, 81.295, 90.622

Deuteranomaly
81, 83.397, 82.830

Tritanomaly
80, 45.230, 65.845

Monochromacy



Original Color
81, 83.415, 83.137

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 37.813, 91.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 83.511, 83.150 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, 191, 1)` looks like.

```
.text, #text, p{  
    color:rgb(254, 191, 1)  
}
```

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, 191, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 191, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 83.511, 83.150 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, 191, 1) }
```

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

```
.border{ border-color:rgb(254, 191, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 191, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 191, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 191, 1);  
box-shadow:4px 4px 4px 4px rgb(254, 191,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 83.511, 83.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 191, 1) }
```

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

```
.background{ background-color: rgb(254,  
191, 1) }
```

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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