

Converting Colors

CIELCh(81, 83.234, 83.537)

Have a look what the booklet for
CIELCh(81, 83.234, 83.537) contains.

CIELCh(81, 83.257, 83.773)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 83.257, 83.773)

Conversions

Conversions Part 1

Format	Color
Hex	FDC001
RGB	253, 192, 1
RGB Percent	99%, 75%, 0%
CMY	0.0086, 0.2477, 0.9942
CMYK	0.00, 0.24, 0.99, 0.01
HSL	45°, 99%, 50%
HSV	45°, 99%, 99%
XYZ	59.2545, 58.4711, 8.2047
YIQ	188.4650, 97.6670, -46.4690

Conversions

Conversions Part 2

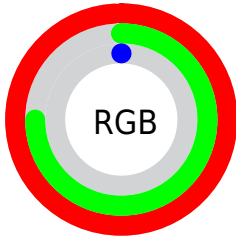
Format	Color
RYB	81, 253, 1
Decimal	16629761
CIELab	81.00, 9.03, 82.77
CIELCh	81, 83.257, 83.773
Yxy	58.4711, 0.4705, 0.4643
Android (android.graphics.Color)	4294819841 (0xFFFD0001)
YUV	188.4650, -92.4202, 56.5972
Hunter-Lab	76.4664, 4.5051, 47.1648

Details

The CIELCh color **81, 83.257, 83.773** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **39, 112.004, 301.314**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.184, 102.002**, and **61, 67.027, 81.311** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.358, 83.663**, and if you desaturate by 10%, it is **83, 80.960, 85.662**.

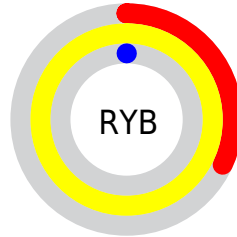
Distribution



Red (99%)

Green (75%)

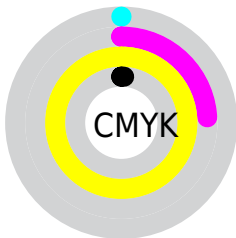
Blue (0%)



Red (32%)

Yellow (99%)

Blue (0%)

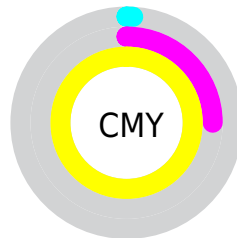


Cyan (0%)

Magenta (24%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (25%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 83.257, 83.773 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, 83.257, 83.773 by changing the saturation by 10% instead.

 81, 83.257, 83.773

 81, 83.257, 83.773

 100, 83.257,
83.773

 71, 83.257, 83.773

 61, 83.257, 83.773

 51, 83.257, 83.773

 41, 83.257, 83.773

 31, 83.257, 83.773

 21, 83.257, 83.773

 11, 83.257, 83.773

 1, 83.257, 83.773

 0, 83.257, 83.773

■ 81, 83.257, 83.773

■ 81, 83.257, 83.773

■ 81, 83.358, 83.663

■ 83, 80.960, 85.662

■ 84, 75.877, 87.299

■ 86, 68.466, 88.776

■ 88, 59.591, 90.169

■ 89, 49.916, 91.518

■ 91, 39.864, 92.836

■ 93, 29.681, 94.124

■ 95, 19.502, 95.379

■ 97, 9.400, 96.589

Harmonies

Complementary

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



81, 83.257, 83.773



39, 112.004, 301.314

Rectangle

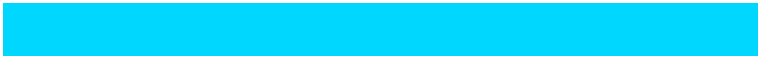
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 83.257, 83.773



81, 83.257, 133.773



81, 83.257, 263.773



81, 83.257, 313.773

Sweetspot

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



81, 83.256, 83.776



94, 30.489, 94.048



53, 89.947, 26.358



49, 20.827, 93.507



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, 83.256, 83.776



82, 83.904, 83.653



92, 100.071, 117.568



52, 5.716, 96.578



63, 67.674, 84.037



21, 29.592, 86.440

Inverse Universe

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



39, 112.004, 301.314



39, 113.417, 301.479



34, 130.026, 307.589



50, 5.763, 278.932



29, 89.888, 300.975



7, 35.969, 296.176

Previews

White Background



This preview shows how the CIELCh color 81, 83.257, 83.773 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, 83.257, 83.773 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, 83.257, 83.773

Background



This preview shows how black text looks on a background with the CIELCh color 81, 83.257, 83.773.



This preview shows how white text looks on a background with the CIELCh color 81, 83.257, 83.773.

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, 83.353, 83.786

Protanopia

81, 80.872, 95.109

Deuteranopia

81, 82.924, 82.761



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 83.353, 83.786

Protanomaly
81, 81.188, 90.927

Deuteranomaly
81, 82.939, 83.070

Tritanomaly
81, 44.990, 66.989

Monochromacy



Original Color
81, 83.353, 83.786

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, 83.257, 83.773 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(253, 192, 1)` looks like.

```
.text, #text, p{  
    color:rgb(253, 192, 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(253, 192, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 192, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 83.257, 83.773 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(253, 192, 1) }
```

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

```
.border{ border-color:rgb(253, 192, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 192, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 192, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 192, 1);  
box-shadow:4px 4px 4px 4px rgb(253, 192,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 83.257, 83.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 192, 1) }
```

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

```
.background{ background-color: rgb(253,  
192, 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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