

Converting Colors

CIELCh(81, 81.855, 83.846)

Have a look what the booklet for
CIELCh(81, 81.855, 83.846) contains.

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Color

CIELCh(81, 81.803, 83.886)

Conversions

Conversions Part 1

Format	Color
Hex	FCC00F
RGB	252, 192, 15
RGB Percent	99%, 75%, 6%
CMY	0.0115, 0.2468, 0.9405
CMYK	0.00, 0.24, 0.94, 0.01
HSL	45°, 98%, 52%
HSV	45°, 94%, 99%
XYZ	59.1222, 58.4711, 8.6279
YIQ	189.7620, 92.5770, -42.3270

Conversions

Conversions Part 2

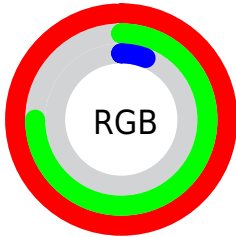
Format	Color
R_{YB}	95, 252, 15
Decimal	16564239
CIE _{Lab}	81.00, 8.71, 81.34
CIE _{LCh}	81, 81.803, 83.886
Yxy	58.4711, 0.4684, 0.4632
Android (android.graphics.Color)	4294754319 (0xFFFC00F)
YUV	189.7620, -86.1577, 54.5827
Hunter-Lab	76.4664, 4.1962, 46.8366

Details

The CIELCh color **81, 81.803, 83.886** 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 **42, 104.213, 299.296**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 76.073, 102.058**, and **61, 66.832, 81.675** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.900, 82.669**, and if you desaturate by 10%, it is **83, 77.978, 85.703**.

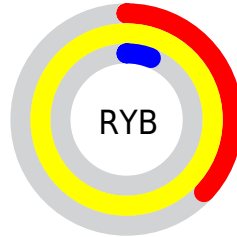
Distribution



Red (99%)

Green (75%)

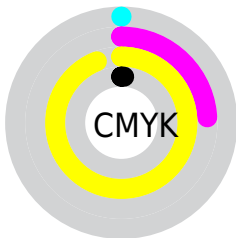
Blue (6%)



Red (37%)

Yellow (99%)

Blue (6%)

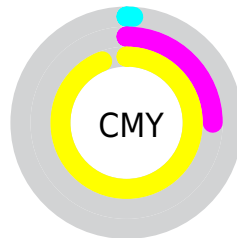


Cyan (0%)

Magenta (24%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (25%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 81.803, 83.886 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 81, 81.803, 83.886 by changing the saturation by 10% instead.

 81, 81.803, 83.886

 81, 81.803, 83.886

 100, 81.803,
83.886

 71, 81.803, 83.886

 61, 81.803, 83.886

 51, 81.803, 83.886

 41, 81.803, 83.886

 31, 81.803, 83.886

 21, 81.803, 83.886

 11, 81.803, 83.886

 1, 81.803, 83.886

 0, 81.803, 83.886

81, 81.803, 83.886

81, 81.803, 83.886

80, 82.900, 82.669

83, 77.978, 85.703

84, 71.481, 87.285

86, 63.175, 88.739

88, 53.834, 90.127

90, 43.980, 91.475

92, 33.923, 92.791

94, 23.836, 94.074

96, 13.813, 95.317

98, 3.899, 96.485

Harmonies

Complementary

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



81, 81.803, 83.886



42, 104.213, 299.296

Rectangle

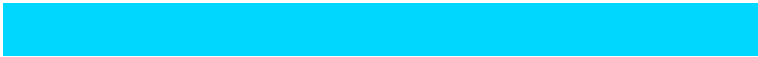
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 81.803, 83.886



81, 81.803, 133.886



81, 81.803, 263.886



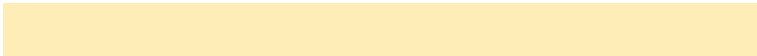
81, 81.803, 313.886

Sweetspot

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



81, 81.802, 83.889



94, 28.151, 93.560



54, 86.184, 21.878



49, 19.469, 93.004



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, 81.802, 83.889



81, 83.625, 82.655



92, 98.069, 116.193



51, 5.559, 95.857



61, 66.777, 83.081



20, 28.248, 85.635

Inverse Universe

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



42, 104.213, 299.296



40, 111.918, 301.064



35, 127.236, 307.470



49, 5.601, 278.226



29, 87.709, 300.517



6, 34.078, 295.115

Previews

White Background



This preview shows how the CIELCh color 81, 81.803, 83.886 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 81, 81.803, 83.886 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 81, 81.803, 83.886

Background



This preview shows how black text looks on a background with the CIELCh color 81, 81.803, 83.886.



This preview shows how white text looks on a background with the CIELCh color 81, 81.803, 83.886.

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

81, 81.803, 83.886

Protanopia

81, 79.980, 95.103

Deuteranopia

81, 81.954, 82.617



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 81.803, 83.886

Protanomaly
81, 80.174, 90.871

Deuteranomaly
81, 81.906, 82.921

Tritanomaly
81, 42.907, 65.160

Monochromacy



Original Color
81, 81.803, 83.886

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 35.634, 91.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 81.803, 83.886 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(252, 192, 15)` looks like.

```
.text, #text, p{  
    color:rgb(252, 192, 15)  
}
```

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(252, 192, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 192, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 81.803, 83.886 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(252, 192, 15) }
```

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

```
.border{ border-color:rgb(252, 192, 15) }
```

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

Here you see how a box with a 4 pixel rgb(252, 192, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 192, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 192, 15);  
box-shadow:4px 4px 4px 4px rgb(252, 192,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 81.803, 83.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 192, 15) }
```

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

```
.background{ background-color: rgb(252,  
192, 15) }
```

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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