

Converting Colors

CIELCh(85, 81.890, 89.332)

Have a look what the booklet for
CIELCh(85, 81.890, 89.332) contains.

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Color

CIELCh(85, 81.880, 89.207)

Conversions

Conversions Part 1

Format	Color
Hex	FDD01F
RGB	253, 208, 31
RGB Percent	99%, 82%, 12%
CMY	0.0084, 0.1848, 0.8792
CMYK	0.00, 0.18, 0.88, 0.01
HSL	48°, 98%, 56%
HSV	48°, 88%, 99%
XYZ	63.2289, 66.0070, 10.6904
YIQ	201.2770, 83.6370, -45.5070

Conversions

Conversions Part 2

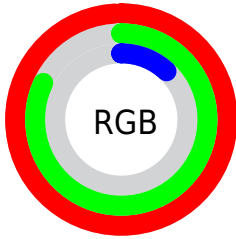
Format	Color
RYB	87, 253, 31
Decimal	16633887
CIELab	85.00, 1.13, 81.87
CIELCh	85, 81.880, 89.207
Yxy	66.0070, 0.4519, 0.4717
Android (android.graphics.Color)	4294823967 (0xFFFDD01F)
YUV	201.2770, -83.9466, 45.3611
Hunter-Lab	81.2447, -3.2602, 49.0698

Details

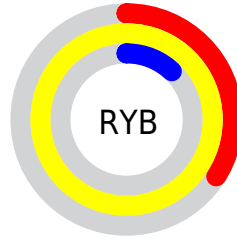
The CIELCh color **85, 81.880, 89.207** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **42, 104.083, 299.602**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 74.840, 104.461**, and **65, 68.942, 88.378** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.336, 87.659**, and if you desaturate by 10%, it is **86, 76.544, 90.609**.

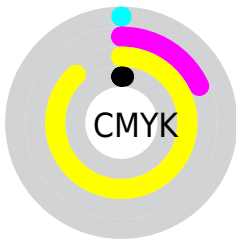
Distribution



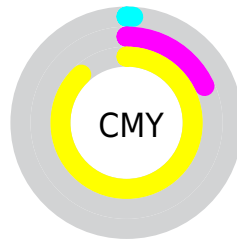
- Red (99%)
- Green (82%)
- Blue (12%)



- Red (34%)
- Yellow (99%)
- Blue (12%)



- Cyan (0%)
- Magenta (18%)
- Yellow (88%)
- Black (1%)



- Cyan (1%)
- Magenta (18%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 81.880, 89.207 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 85, 81.880, 89.207 by changing the saturation by 10% instead.



85, 81.880, 89.207

85, 81.880, 89.207

84, 84.336, 87.659

86, 76.544, 90.609

83, 84.667, 87.308

88, 68.932, 91.929

89, 59.860, 93.214

91, 49.959, 94.482

93, 39.640, 95.734

94, 29.146, 96.967

96, 18.618, 98.171

98, 8.130, 99.334

100, 0.652,
253.694

Harmonies

Complementary

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



85, 81.880, 89.207



42, 104.083, 299.602

Rectangle

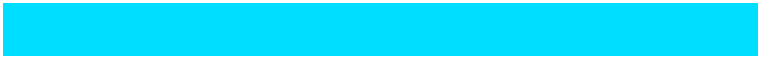
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 81.880, 89.207



85, 81.880, 139.207



85, 81.880, 269.207



85, 81.880, 319.207

Sweetspot

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



85, 81.879, 89.210



95, 27.420, 97.186



54, 84.888, 22.752



50, 18.598, 96.764



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 81.879, 89.210



84, 85.206, 87.300



92, 97.238, 118.194



52, 5.960, 99.142



65, 68.734, 87.608



22, 30.414, 89.691

Inverse Universe

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



42, 104.083, 299.602



37, 118.683, 302.859



39, 122.076, 308.093



49, 6.028, 281.419



27, 94.202, 302.419



6, 37.557, 297.534

Previews

White Background



This preview shows how the CIELCh color 85, 81.880, 89.207 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 85, 81.880, 89.207 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 85, 81.880, 89.207

Background



This preview shows how black text looks on a background with the CIELCh color 85, 81.880, 89.207.



This preview shows how white text looks on a background with the CIELCh color 85, 81.880, 89.207.

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

85, 81.880, 89.207

Protanopia

85, 81.437, 95.170

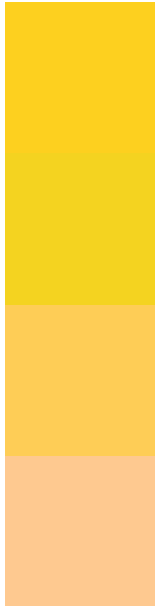
Deuteranopia

85, 49.964, 80.547



Tritanopia
85, 22.506, 5.117

Trichromacy



Original Color
85, 81.880, 89.207

Protanomaly
85, 81.357, 92.960

Deuteranomaly
85, 63.974, 85.426

Tritanomaly
84, 37.500, 71.775

Monochromacy



Original Color
85, 81.880, 89.207

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 34.634, 96.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 81.880, 89.207 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, 208, 31)` looks like.

```
.text, #text, p{  
    color:rgb(253, 208, 31)  
}
```

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, 208, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 208, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 81.880, 89.207 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, 208, 31) }
```

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

```
.border{ border-color:rgb(253, 208, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 208, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 208, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 208, 31);  
box-shadow:4px 4px 4px 4px rgb(253, 208,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 81.880, 89.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 208, 31) }
```

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

```
.background{ background-color: rgb(253,  
208, 31) }
```

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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