

Converting Colors

CIELCh(82, 83.046, 89.723)

Have a look what the booklet for
CIELCh(82, 83.046, 89.723) contains.

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Color

CIELCh(82, 83.075, 89.583)

Conversions

Conversions Part 1

Format	Color
Hex	F3C801
RGB	243, 200, 1
RGB Percent	95%, 78%, 0%
CMY	0.0475, 0.2161, 0.9972
CMYK	0.00, 0.18, 1.00, 0.05
HSL	49°, 99%, 48%
HSV	49°, 100%, 95%
XYZ	57.5581, 60.2982, 8.6246
YIQ	190.1710, 89.5070, -52.7730

Conversions

Conversions Part 2

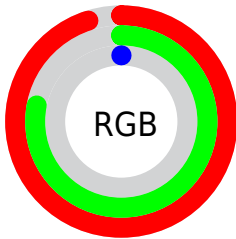
Format	Color
RYB	53, 243, 1
Decimal	15976449
CIELab	82.00, 0.60, 83.07
CIELCh	82, 83.075, 89.583
Yxy	60.2982, 0.4551, 0.4767
Android (android.graphics.Color)	4294166529 (0xFFFF3C801)
YUV	190.1710, -93.2613, 46.3310
Hunter-Lab	77.6519, -3.5810, 47.7711

Details

The CIELCh color **82, 83.075, 89.583** 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 **34, 116.754, 303.476**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **62, 66.574, 88.556** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.118, 89.545**, and if you desaturate by 10%, it is **83, 81.080, 90.954**.

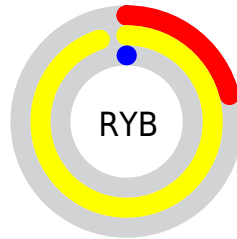
Distribution



Red (95%)

Green (78%)

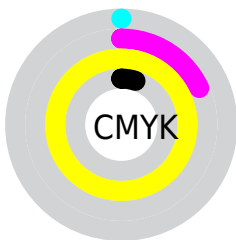
Blue (0%)



Red (21%)

Yellow (95%)

Blue (0%)

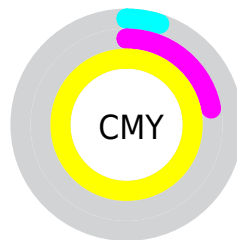


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (22%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 83.075, 89.583 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 82, 83.075, 89.583 by changing the saturation by 10% instead.

 82, 83.075, 89.583

 82, 83.075, 89.583

 100, 83.075,
89.583

 72, 83.075, 89.583

 62, 83.075, 89.583

 52, 83.075, 89.583

 42, 83.075, 89.583

 32, 83.075, 89.583

 22, 83.075, 89.583

 12, 83.075, 89.583

 2, 83.075, 89.583

 0, 83.075, 89.583

■ 82, 83.075, 89.583

■ 82, 83.075, 89.583

■ 82, 83.118, 89.545

■ 83, 81.080, 90.954

■ 84, 76.450, 92.229

■ 86, 69.447, 93.458

■ 87, 60.840, 94.673

■ 88, 51.276, 95.887

■ 90, 41.195, 97.098

■ 91, 30.869, 98.297

■ 93, 20.456, 99.475

■ 94, 10.046,
100.620

Harmonies

Complementary

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



82, 83.075, 89.583



34, 116.754, 303.476

Rectangle

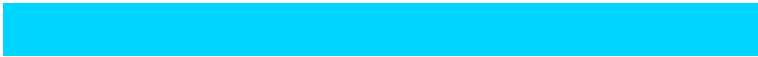
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 83.075, 89.583



82, 83.075, 139.583



82, 83.075, 269.583



82, 83.075, 319.583

Sweetspot

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



82, 83.074, 89.585



95, 32.425, 98.253



51, 91.225, 31.522



50, 22.115, 97.748



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 83.074, 89.585



86, 86.219, 89.506



88, 99.110, 120.899



50, 5.917, 100.645



64, 68.177, 89.796



20, 28.656, 91.872

Inverse Universe

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



34, 116.754, 303.476



36, 121.661, 303.592



34, 124.907, 308.397



47, 5.995, 282.864



26, 94.605, 303.149



5, 34.994, 296.477

Previews

White Background



This preview shows how the CIELCh color 82, 83.075, 89.583 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 82, 83.075, 89.583 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 82, 83.075, 89.583

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.075, 89.583.



This preview shows how white text looks on a background with the CIELCh color 82, 83.075, 89.583.

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

82, 83.075, 89.583

Protanopia

82, 82.172, 95.217

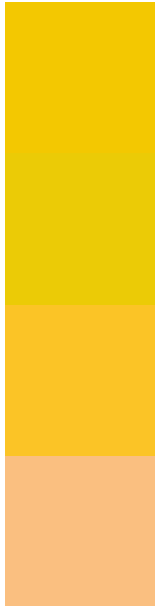
Deuteranopia

82, 71.938, 82.017



Tritanopia
82, 26.641, 5.733

Trichromacy



Original Color
82, 83.075, 89.583

Protanomaly
82, 82.381, 93.013

Deuteranomaly
82, 78.005, 85.148

Tritanomaly
81, 42.164, 70.871

Monochromacy



Original Color
82, 83.075, 89.583

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 38.878, 97.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.075, 89.583 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(243, 200, 1)` looks like.

```
.text, #text, p{  
    color:rgb(243, 200, 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(243, 200, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 200, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.075, 89.583 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(243, 200, 1) }
```

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

```
.border{ border-color:rgb(243, 200, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 200, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 200, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 200, 1);  
box-shadow:4px 4px 4px 4px rgb(243, 200,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.075, 89.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 200, 1) }
```

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

```
.background{ background-color: rgb(243,  
200, 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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