

Converting Colors

CIELCh(81, 82.419, 88.387)

Have a look what the booklet for
CIELCh(81, 82.419, 88.387) contains.

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Color

CIELCh(81, 82.383, 88.452)

Conversions

Conversions Part 1

Format	Color
Hex	F2C401
RGB	242, 196, 1
RGB Percent	95%, 77%, 0%
CMY	0.0502, 0.2307, 0.9978
CMYK	0.00, 0.19, 1.00, 0.05
HSL	49°, 100%, 48%
HSV	49°, 100%, 95%
XYZ	56.4672, 58.4711, 8.3256
YIQ	187.5240, 90.0110, -50.8930

Conversions

Conversions Part 2

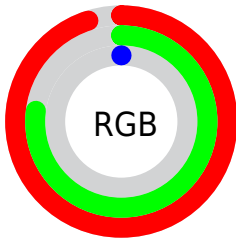
Format	Color
RYB	58, 242, 1
Decimal	15909889
CIELab	81.00, 2.23, 82.35
CIELCh	81, 82.383, 88.452
Yxy	58.4711, 0.4581, 0.4744
Android (android.graphics.Color)	4294099969 (0xFFFF2C401)
YUV	187.5240, -91.9563, 47.7755
Hunter-Lab	76.4664, -2.0014, 47.0710

Details

The CIELCh color **81, 82.383, 88.452** 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 **35, 115.076, 303.110**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.617, 103.220**, and **61, 65.787, 87.031** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.419, 88.420**, and if you desaturate by 10%, it is **82, 80.362, 89.925**.

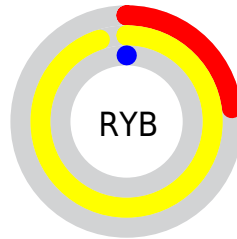
Distribution



Red (95%)

Green (77%)

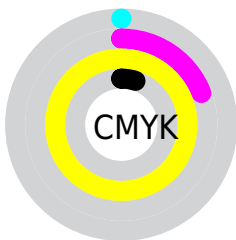
Blue (0%)



Red (23%)

Yellow (95%)

Blue (0%)

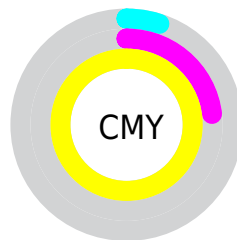


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (23%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 82.383, 88.452 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, 82.383, 88.452 by changing the saturation by 10% instead.

 81, 82.383, 88.452

 81, 82.383, 88.452

 100, 82.383,
88.452

 71, 82.383, 88.452

 61, 82.383, 88.452

 51, 82.383, 88.452

 41, 82.383, 88.452

 31, 82.383, 88.452

 21, 82.383, 88.452

 11, 82.383, 88.452

 1, 82.383, 88.452

 0, 82.383, 88.452

■ 81, 82.383, 88.452

■ 81, 82.383, 88.452

■ 81, 82.419, 88.420

■ 82, 80.362, 89.925

■ 83, 75.715, 91.273

■ 85, 68.718, 92.553

■ 86, 60.150, 93.806

■ 88, 50.658, 95.048

■ 89, 40.678, 96.280

■ 91, 30.475, 97.497

■ 92, 20.201, 98.691

■ 94, 9.944, 99.849

Harmonies

Complementary

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



81, 82.383, 88.452



35, 115.076, 303.110

Rectangle

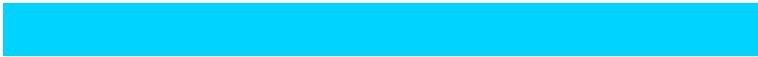
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 82.383, 88.452



81, 82.383, 138.452



81, 82.383, 268.452



81, 82.383, 318.452

Sweetspot

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



81, 82.382, 88.454



95, 32.026, 97.459



51, 90.037, 30.339



50, 21.849, 96.946



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



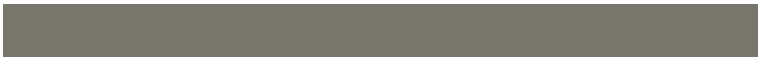
81, 82.382, 88.454



85, 85.677, 88.373



88, 98.392, 120.100



49, 5.737, 99.882



63, 67.063, 88.706



19, 27.158, 91.025

Inverse Universe

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



35, 115.076, 303.110



37, 120.155, 303.225



34, 125.021, 308.179



47, 5.807, 282.121



26, 92.344, 302.734



5, 32.842, 295.043

Previews

White Background



This preview shows how the CIELCh color 81, 82.383, 88.452 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, 82.383, 88.452 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, 82.383, 88.452

Background



This preview shows how black text looks on a background with the CIELCh color 81, 82.383, 88.452.

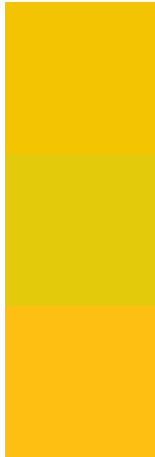


This preview shows how white text looks on a background with the CIELCh color 81, 82.383, 88.452.

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, 82.287, 88.444

Protanopia

81, 81.173, 95.111

Deuteranopia

81, 81.821, 82.597



Tritanopia
81, 27.488, 6.315

Trichromacy



Original Color
81, 82.287, 88.444

Protanomaly
81, 81.483, 92.568

Deuteranomaly
81, 81.939, 84.881

Tritanomaly
80, 42.479, 69.551

Monochromacy



Original Color
81, 82.287, 88.444

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 38.132, 95.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 82.383, 88.452 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(242, 196, 1)` looks like.

```
.text, #text, p{  
    color:rgb(242, 196, 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(242, 196, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 196, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 82.383, 88.452 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(242, 196, 1) }
```

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

```
.border{ border-color:rgb(242, 196, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 196, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 196, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 196, 1);  
box-shadow:4px 4px 4px 4px rgb(242, 196,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 82.383, 88.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 196, 1) }
```

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

```
.background{ background-color: rgb(242,  
196, 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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