

Converting Colors

CIELCh(82, 77.247, 83.780)

Have a look what the booklet for
CIELCh(82, 77.247, 83.780) contains.

CIELCh(82, 77.346, 83.701)	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(82, 77.346, 83.701)

Conversions

Conversions Part 1

Format	Color
Hex	FEC32A
RGB	254, 195, 42
RGB Percent	100%, 76%, 16%
CMY	0.0037, 0.2351, 0.8350
CMYK	0.00, 0.23, 0.83, 0.00
HSL	43°, 99%, 58%
HSV	43°, 83%, 100%
XYZ	60.8356, 60.2982, 10.6281
YIQ	195.1990, 84.2770, -35.0750

Conversions

Conversions Part 2

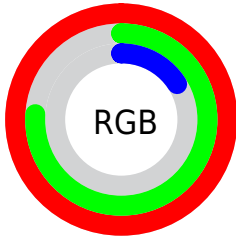
Format	Color
RYB	124, 254, 42
Decimal	16696106
CIELab	82.00, 8.49, 76.88
CIELCh	82, 77.346, 83.701
Yxy	60.2982, 0.4617, 0.4576
Android (android.graphics.Color)	4294886186 (0xFFFE32A)
YUV	195.1990, -75.5271, 51.5685
Hunter-Lab	77.6519, 3.9532, 46.2414

Details

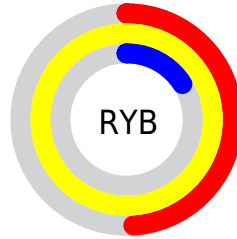
The CIELCh color **82, 77.346, 83.701** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **48, 89.021, 294.597**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 71.311, 103.338**, and **62, 67.498, 82.397** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.518, 81.755**, and if you desaturate by 10%, it is **84, 70.562, 85.373**.

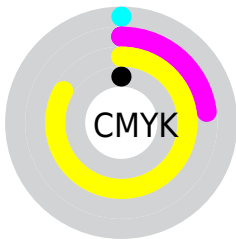
Distribution



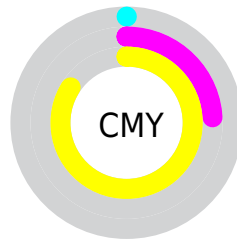
- Red (100%)
- Green (76%)
- Blue (16%)



- Red (49%)
- Yellow (100%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (83%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 77.346, 83.701 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, 77.346, 83.701 by changing the saturation by 10% instead.

 82, 77.346, 83.701

 82, 77.346, 83.701

 100, 77.346,
83.701

 72, 77.346, 83.701

 62, 77.346, 83.701

 52, 77.346, 83.701

 42, 77.346, 83.701

 32, 77.346, 83.701

 22, 77.346, 83.701

 12, 77.346, 83.701

 2, 77.346, 83.701

 0, 77.346, 83.701

82, 77.346, 83.701

82, 77.346, 83.701

80, 81.518, 81.755

84, 70.562, 85.373

79, 82.856, 80.299

86, 62.080, 86.887

88, 52.669, 88.319

90, 42.830, 89.701

92, 32.851, 91.046

94, 22.890, 92.353

97, 13.028, 93.617

99, 3.303, 94.791

100, 0.330,
201.393

Harmonies

Complementary

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



82, 77.346, 83.701



48, 89.021, 294.597

Rectangle

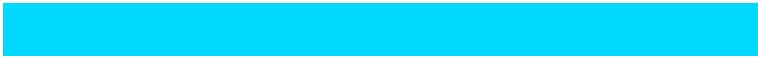
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 77.346, 83.701



82, 77.346, 133.701



82, 77.346, 263.701



82, 77.346, 313.701

Sweetspot

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



82, 77.345, 83.704



94, 24.510, 92.152



56, 80.465, 14.995



49, 16.759, 91.694



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, 77.345, 83.704



79, 83.090, 80.294



94, 93.848, 114.737



52, 5.508, 94.099



61, 66.996, 80.745



20, 28.937, 83.365

Inverse Universe

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



48, 89.021, 294.597



41, 108.289, 300.019



39, 119.311, 306.911



50, 5.537, 276.519



30, 85.737, 299.463



7, 34.390, 294.653

Previews

White Background



This preview shows how the CIELCh color 82, 77.346, 83.701 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, 77.346, 83.701 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, 77.346, 83.701

Background



This preview shows how black text looks on a background with the CIELCh color 82, 77.346, 83.701.



This preview shows how white text looks on a background with the CIELCh color 82, 77.346, 83.701.

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, 77.346, 83.701

Protanopia

82, 75.639, 95.152

Deuteranopia

82, 70.551, 81.731



Tritanopia
82, 26.785, 9.296

Trichromacy



Original Color
82, 77.346, 83.701

Protanomaly
82, 75.768, 90.709

Deuteranomaly
82, 73.266, 82.276

Tritanomaly
82, 38.088, 61.663

Monochromacy



Original Color
82, 77.346, 83.701

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 30.876, 91.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 77.346, 83.701 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(254, 195, 42)` looks like.

```
.text, #text, p{  
    color:rgb(254, 195, 42)  
}
```

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(254, 195, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 195, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 77.346, 83.701 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(254, 195, 42) }
```

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

```
.border{ border-color:rgb(254, 195, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 195, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 195, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 195, 42);  
box-shadow:4px 4px 4px 4px rgb(254, 195,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 77.346, 83.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 195, 42) }
```

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

```
.background{ background-color: rgb(254,  
195, 42) }
```

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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