

Converting Colors

CIELCh(82, 84.018, 85.921)

Have a look what the booklet for
CIELCh(82, 84.018, 85.921) contains.

CIELCh(82, 83.750, 86.185)	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, 83.750, 86.185)

Conversions

Conversions Part 1

Format	Color
Hex	FBC500
RGB	251, 197, 0
RGB Percent	98%, 77%, 0%
CMY	0.0166, 0.2283, 1.0000
CMYK	0.00, 0.22, 1.00, 0.02
HSL	47°, 100%, 49%
HSV	47°, 100%, 98%
XYZ	59.6098, 60.2982, 8.4774
YIQ	190.6880, 95.4210, -49.8190

Conversions

Conversions Part 2

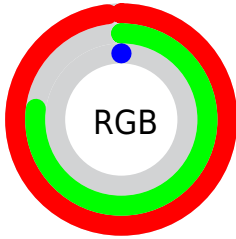
Format	Color
RYB	69, 251, 0
Decimal	16499968
CIELab	82.00, 5.57, 83.56
CIELCh	82, 83.750, 86.185
Yxy	60.2982, 0.4643, 0.4697
Android (android.graphics.Color)	4294690048 (0xFFFB500)
YUV	190.6880, -94.0092, 52.8936
Hunter-Lab	77.6519, 1.1353, 47.8836

Details

The CIELCh color **82, 83.750, 86.185** 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 **37, 115.514, 302.428**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.980, 103.516**, and **62, 67.186, 84.461** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.687, 86.181**, and if you desaturate by 10%, it is **83, 81.632, 87.858**.

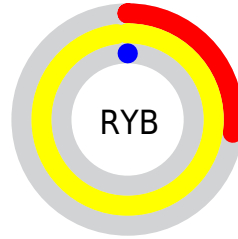
Distribution



Red (98%)

Green (77%)

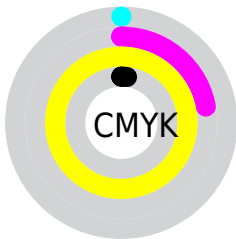
Blue (0%)



Red (27%)

Yellow (98%)

Blue (0%)

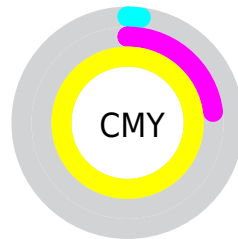


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (23%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 83.750, 86.185 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, 83.750, 86.185 by changing the saturation by 10% instead.

 82, 83.750, 86.185

 82, 83.750, 86.185

 100, 83.750,
86.185

 72, 83.750, 86.185

 62, 83.750, 86.185

 52, 83.750, 86.185

 42, 83.750, 86.185

 32, 83.750, 86.185

 22, 83.750, 86.185

 12, 83.750, 86.185

 2, 83.750, 86.185

 0, 83.750, 86.185

■ 82, 83.750, 86.185

■ 82, 83.750, 86.185

■ 82, 83.687, 86.181

■ 83, 81.632, 87.858

■ 85, 76.868, 89.355

■ 86, 69.693, 90.736

■ 88, 60.938, 92.060

■ 89, 51.281, 93.357

■ 91, 41.166, 94.633

■ 93, 30.860, 95.887

■ 95, 20.512, 97.113

■ 97, 10.208, 98.299

Harmonies

Complementary

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



82, 83.750, 86.185



37, 115.514, 302.428

Rectangle

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



82, 83.750, 86.185



82, 83.750, 136.185



82, 83.750, 266.185



82, 83.750, 316.185

Sweetspot

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



82, 83.687, 86.181



94, 31.283, 95.884



53, 91.646, 29.314



50, 21.355, 95.358



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, 83.687, 86.181



83, 84.752, 86.164



91, 100.577, 119.327



51, 5.785, 98.358



63, 67.691, 86.513



20, 29.006, 88.800

Inverse Universe

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



37, 115.514, 302.428



38, 117.083, 302.451



35, 128.855, 307.955



49, 5.845, 280.654



27, 91.884, 301.965



6, 35.500, 296.410

Previews

White Background



This preview shows how the CIELCh color 82, 83.750, 86.185 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, 83.750, 86.185 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, 83.750, 86.185

Background



This preview shows how black text looks on a background with the CIELCh color 82, 83.750, 86.185.



This preview shows how white text looks on a background with the CIELCh color 82, 83.750, 86.185.

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, 83.750, 86.185

Protanopia

82, 81.890, 95.216

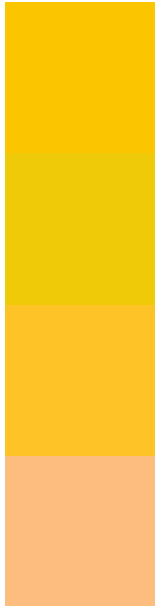
Deuteranopia

82, 71.597, 81.948



Tritanopia
82, 27.325, 7.350

Trichromacy



Original Color
82, 83.750, 86.185

Protanomaly
82, 82.266, 91.750

Deuteranomaly
82, 77.938, 84.117

Tritanomaly
81, 43.661, 68.672

Monochromacy



Original Color
82, 83.750, 86.185

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 38.380, 94.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 83.750, 86.185 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(251, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 197, 0)  
}
```

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(251, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 197, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 83.750, 86.185 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(251, 197, 0) }
```

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

```
.border{ border-color:rgb(251, 197, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 197,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 83.750, 86.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 197, 0) }
```

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

```
.background{ background-color: rgb(251,  
197, 0) }
```

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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