

Converting Colors

CIELCh(86, 87.038, 99.625)

Have a look what the booklet for
CIELCh(86, 87.038, 99.625) contains.

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Color

CIELCh(86, 86.811, 99.702)

Conversions

Conversions Part 1

Format	Color
Hex	E7DC00
RGB	231, 220, 0
RGB Percent	91%, 86%, 0%
CMY	0.0952, 0.1383, 1.0000
CMYK	0.00, 0.05, 1.00, 0.10
HSL	57°, 100%, 45%
HSV	57°, 100%, 90%
XYZ	58.3812, 67.9871, 10.0191
YIQ	198.2090, 77.1760, -66.0880

Conversions

Conversions Part 2

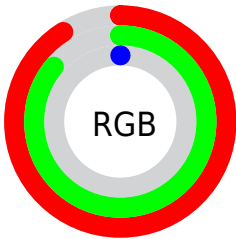
Format	Color
R _Y B	12, 231, 0
Decimal	15195136
CIE Lab	86.00, -14.63, 85.57
CIE LCh	86, 86.811, 99.702
Yxy	67.9871, 0.4281, 0.4985
Android (android.graphics.Color)	4293385216 (0xFFE7DC00)
YUV	198.2090, -97.7170, 28.7577
Hunter-Lab	82.4543, -17.9092, 50.5136

Details

The CIELCh color **86, 86.811, 99.702** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **29, 122.117, 305.853**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **66, 70.010, 100.607** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.734, 99.708**, and if you desaturate by 10%, it is **86, 84.704, 100.148**.

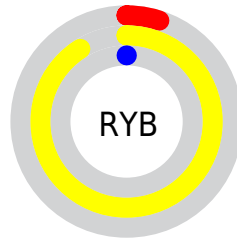
Distribution



Red (91%)

Green (86%)

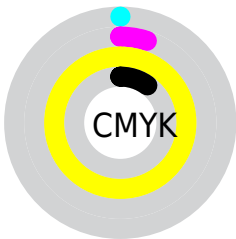
Blue (0%)



Red (5%)

Yellow (91%)

Blue (0%)

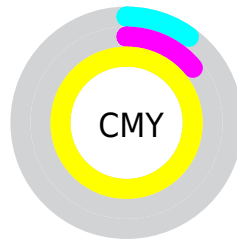


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 86.811, 99.702 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 86, 86.811, 99.702 by changing the saturation by 10% instead.

 86, 86.811, 99.702

 86, 86.811, 99.702

 100, 86.811,
99.702

 76, 86.811, 99.702

 66, 86.811, 99.702

 56, 86.811, 99.702

 46, 86.811, 99.702

 36, 86.811, 99.702

 26, 86.811, 99.702

 16, 86.811, 99.702

 6, 86.811, 99.702

 0, 86.811, 99.702

■ 86, 86.811, 99.702

■ 86, 86.811, 99.702

■ 86, 86.734, 99.708

■ 86, 84.704,
100.148

■ 87, 80.324,
100.717

■ 87, 73.578,
101.428

■ 88, 65.039,
102.259

■ 88, 55.292,
103.178

■ 89, 44.793,
104.156

■ 89, 33.850,
105.166

■ 90, 22.660,
106.188

■ 91, 11.347,
107.202

Harmonies

Complementary

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



86, 86.811, 99.702



29, 122.117, 305.853

Rectangle

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



86, 86.811, 99.702



86, 86.811, 149.702



86, 86.811, 279.702



86, 86.811, 329.702

Sweetspot

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



86, 86.734, 99.708



98, 36.709, 105.149



48, 94.980, 38.476



52, 24.976, 104.719



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 86.734, 99.708



94, 93.536, 99.690



83, 99.705, 126.528



48, 6.417, 107.257



68, 71.625, 99.762



19, 28.067, 101.051

Inverse Universe

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



29, 122.117, 305.853



33, 131.950, 305.902



35, 117.123, 310.663



44, 6.548, 289.230



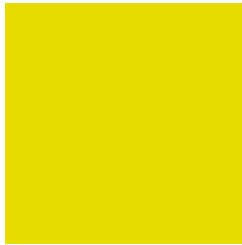
22, 100.203, 305.692



3, 32.563, 295.854

Previews

White Background



This preview shows how the CIELCh color 86, 86.811, 99.702 looks on a white background.

Color Contrast Check

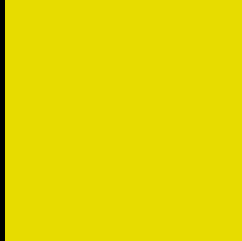
Large Text (above 18pt) WCAG AA × Fail

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 86, 86.811, 99.702 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 86, 86.811, 99.702

Background



This preview shows how black text looks on a background with the CIELCh color 86, 86.811, 99.702.



This preview shows how white text looks on a background with the CIELCh color 86, 86.811, 99.702.

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

86, 86.811, 99.702

Protanopia

86, 86.367, 95.006

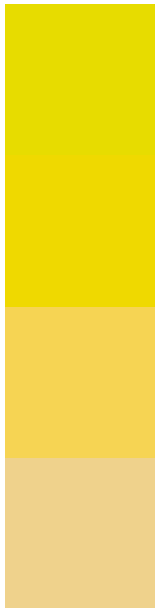
Deuteranopia

86, 45.330, 80.911



Tritanopia
86, 16.832, 350.951

Trichromacy



Original Color
86, 86.811, 99.702

Protanomaly
86, 86.359, 96.476

Deuteranomaly
86, 65.844, 91.716

Tritanomaly
85, 38.384, 88.883

Monochromacy



Original Color
86, 86.811, 99.702

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 41.506, 104.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 86.811, 99.702 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(231, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 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(231, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 86.811, 99.702 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(231, 220, 0) }
```

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

```
.border{ border-color:rgb(231, 220, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 220, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 220,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 86.811, 99.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 0) }
```

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

```
.background{ background-color: rgb(231,  
220, 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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