

Converting Colors

CIELCh(84, 84.919, 99.777)

Have a look what the booklet for
CIELCh(84, 84.919, 99.777) contains.

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Color

CIELCh(84, 84.944, 99.623)

Conversions

Conversions Part 1

Format	Color
Hex	E1D601
RGB	225, 214, 1
RGB Percent	88%, 84%, 0%
CMY	0.1179, 0.1610, 0.9967
CMYK	0.00, 0.05, 1.00, 0.12
HSL	57°, 99%, 44%
HSV	57°, 100%, 88%
XYZ	55.0707, 64.0658, 9.4870
YIQ	193.0070, 74.9290, -63.9110

Conversions

Conversions Part 2

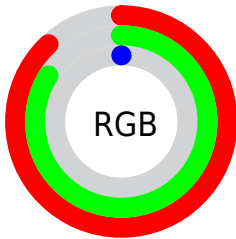
Format	Color
RYB	13, 225, 1
Decimal	14800385
CIELab	84.00, -14.20, 83.75
CIELCh	84, 84.944, 99.623
Yxy	64.0658, 0.4282, 0.4981
Android (android.graphics.Color)	4292990465 (0xFFE1D601)
YUV	193.0070, -94.6595, 28.0579
Hunter-Lab	80.0411, -17.2585, 49.0013

Details

The CIELCh color **84, 84.944, 99.623** 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, 119.513, 305.798**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **64, 68.427, 100.928** is the 20% darker color. If you saturate the color by 10%, you get **84, 85.007, 99.609**, and if you desaturate by 10%, it is **84, 82.858, 100.079**.

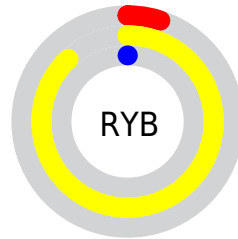
Distribution



Red (88%)

Green (84%)

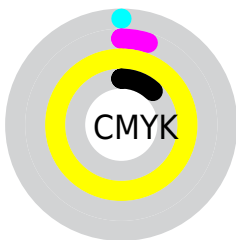
Blue (0%)



Red (5%)

Yellow (88%)

Blue (0%)

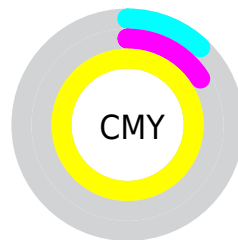


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 84.944, 99.623 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 84, 84.944, 99.623 by changing the saturation by 10% instead.

 84, 84.944, 99.623

 84, 84.944, 99.623

 100, 84.944,
99.623

 74, 84.944, 99.623

 64, 84.944, 99.623

 54, 84.944, 99.623

 44, 84.944, 99.623

 34, 84.944, 99.623

 24, 84.944, 99.623

 14, 84.944, 99.623

 4, 84.944, 99.623

 0, 84.944, 99.623

■ 84, 84.944, 99.623

■ 84, 84.944, 99.623

■ 84, 85.007, 99.609

■ 84, 82.858,
100.079

■ 85, 78.444,
100.662

■ 85, 71.738,
101.384

■ 86, 63.310,
102.223

■ 86, 53.727,
103.148

■ 87, 43.428,
104.128

■ 87, 32.706,
105.140

■ 88, 21.751,
106.161

■ 89, 10.681,
107.175

Harmonies

Complementary

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



84, 84.944, 99.623



29, 119.513, 305.798

Rectangle

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



84, 84.944, 99.623



84, 84.944, 149.623



84, 84.944, 279.623



84, 84.944, 329.623

Sweetspot

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



84, 84.943, 99.625



97, 36.657, 105.080



47, 92.942, 38.348



52, 24.941, 104.649



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 84.943, 99.625



94, 93.435, 99.585



81, 97.676, 126.461



47, 6.290, 107.193



67, 70.792, 99.664



18, 26.663, 101.204

Inverse Universe

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



29, 119.513, 305.798



33, 131.885, 305.888



35, 114.716, 310.698



43, 6.418, 289.164



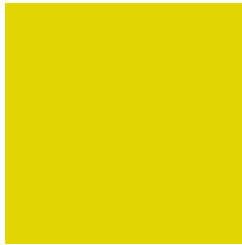
21, 99.035, 305.663



2, 30.555, 294.830

Previews

White Background



This preview shows how the CIELCh color 84, 84.944, 99.623 looks on a white background.

Color Contrast Check

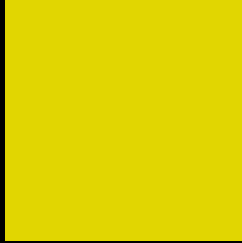
Large Text (above 18pt) WCAG AA × Fail

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 84, 84.944, 99.623 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 84, 84.944, 99.623

Background



This preview shows how black text looks on a background with the CIELCh color 84, 84.944, 99.623.



This preview shows how white text looks on a background with the CIELCh color 84, 84.944, 99.623.

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

84, 84.944, 99.623

Protanopia

84, 84.540, 95.093

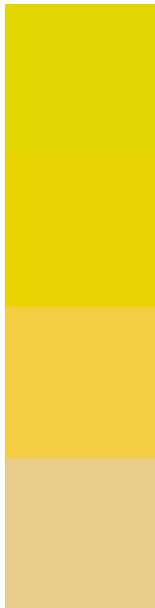
Deuteranopia

84, 56.937, 81.412



Tritanopia
84, 16.346, 351.921

Trichromacy



Original Color
84, 84.944, 99.623

Protanomaly
84, 84.537, 96.603

Deuteranomaly
84, 70.889, 90.509

Tritanomaly
83, 37.608, 88.395

Monochromacy



Original Color
84, 84.944, 99.623

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 40.660, 104.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 84.944, 99.623 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(225, 214, 1)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 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(225, 214, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 84.944, 99.623 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(225, 214, 1) }
```

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

```
.border{ border-color:rgb(225, 214, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 1);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 84.944, 99.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 1) }
```

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

```
.background{ background-color: rgb(225,  
214, 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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