

Converting Colors

CIELCh(83, 83.220, 99.432)

Have a look what the booklet for
CIELCh(83, 83.220, 99.432) contains.

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Color

CIELCh(83, 83.248, 99.617)

Conversions

Conversions Part 1

Format	Color
Hex	DED30A
RGB	222, 211, 10
RGB Percent	87%, 83%, 4%
CMY	0.1293, 0.1724, 0.9602
CMYK	0.00, 0.05, 0.95, 0.13
HSL	57°, 91%, 46%
HSV	57°, 95%, 87%
XYZ	53.4934, 62.1629, 9.4698
YIQ	191.3750, 71.0770, -60.1790

Conversions

Conversions Part 2

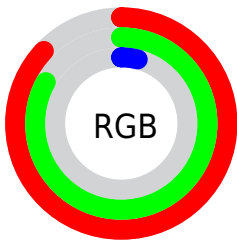
Format	Color
RYB	22, 222, 10
Decimal	14603018
CIELab	83.00, -13.91, 82.08
CIElCh	83, 83.248, 99.617
Yxy	62.1629, 0.4275, 0.4968
Android (android.graphics.Color)	4292793098 (0xFFDED30A)
YUV	191.3750, -89.4179, 26.8581
Hunter-Lab	78.8435, -16.8682, 48.0692

Details

The CIELCh color **83, 83.248, 99.617** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **29, 115.796, 305.339**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **63, 67.483, 100.894** is the 20% darker color. If you saturate the color by 10%, you get **83, 84.010, 99.414**, and if you desaturate by 10%, it is **83, 80.333, 100.136**.

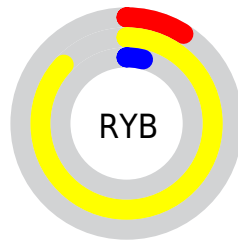
Distribution



Red (87%)

Green (83%)

Blue (4%)



Red (9%)

Yellow (87%)

Blue (4%)

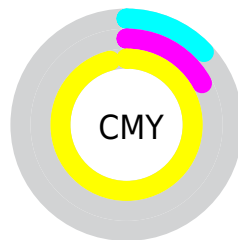


Cyan (0%)

Magenta (5%)

Yellow (95%)

Black (13%)



Cyan (13%)

Magenta (17%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 83.248, 99.617 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 83, 83.248, 99.617 by changing the saturation by 10% instead.

 83, 83.248, 99.617

 83, 83.248, 99.617

 100, 83.248,
99.617

 73, 83.248, 99.617

 63, 83.248, 99.617

 53, 83.248, 99.617

 43, 83.248, 99.617

 33, 83.248, 99.617

 23, 83.248, 99.617

 13, 83.248, 99.617

 3, 83.248, 99.617

 0, 83.248, 99.617

■ 83, 83.248, 99.617

■ 83, 83.248, 99.617

■ 83, 84.010, 99.414

■ 83, 80.333,
100.136

■ 84, 74.947,
100.791

■ 84, 67.520,
101.575

■ 85, 58.645,
102.461

■ 85, 48.836,
103.418

■ 86, 38.461,
104.418

■ 86, 27.762,
105.439

■ 87, 16.891,
106.461

Harmonies

Complementary

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



83, 83.248, 99.617



29, 115.796, 305.339

Rectangle

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



83, 83.248, 99.617



83, 83.248, 149.617



83, 83.248, 279.617



83, 83.248, 329.617

Sweetspot

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



83, 83.247, 99.619



98, 35.359, 105.050



47, 88.834, 36.345



52, 24.200, 104.612



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 83.247, 99.619



94, 93.244, 99.386



80, 94.839, 125.335



47, 6.272, 107.066



67, 70.650, 99.469



18, 26.591, 101.038

Inverse Universe

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



29, 115.796, 305.339



33, 131.758, 305.861



35, 112.073, 310.596



43, 6.398, 289.042



21, 98.906, 305.627



2, 30.492, 294.770

Previews

White Background



This preview shows how the CIELCh color 83, 83.248, 99.617 looks on a white background.

Color Contrast Check

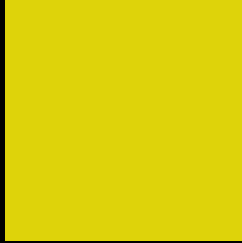
Large Text (above 18pt) WCAG AA × Fail

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 83, 83.248, 99.617 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 83, 83.248, 99.617

Background



This preview shows how black text looks on a background with the CIELCh color 83, 83.248, 99.617.

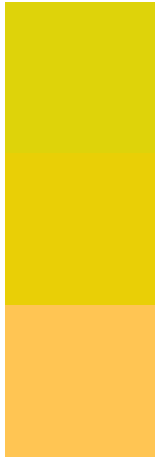


This preview shows how white text looks on a background with the CIELCh color 83, 83.248, 99.617.

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

83, 83.248, 99.617

Protanopia

83, 83.111, 94.986

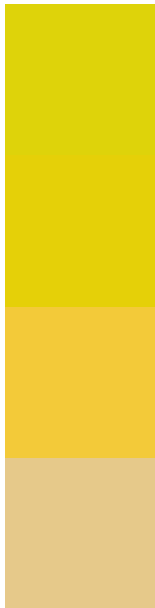
Deuteranopia

83, 63.795, 81.452



Tritanopia
83, 16.389, 351.942

Trichromacy



Original Color
83, 83.248, 99.617

Protanomaly
83, 82.925, 96.527

Deuteranomaly
83, 72.554, 89.464

Tritanomaly
82, 35.266, 87.342

Monochromacy



Original Color
83, 83.248, 99.617

Achromatopsia
77, 0.009, 296.813

Achromatomaly
79, 38.242, 104.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 83.248, 99.617 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(222, 211, 10)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 10)  
}
```

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(222, 211, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 83.248, 99.617 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(222, 211, 10) }
```

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

```
.border{ border-color:rgb(222, 211, 10) }
```

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

Here you see how a box with a 4 pixel rgb(222, 211, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 10);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 83.248, 99.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 10) }
```

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

```
.background{ background-color: rgb(222,  
211, 10) }
```

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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