

Converting Colors

CIELCh(83, 84.415, 101.899)

Have a look what the booklet for
CIELCh(83, 84.415, 101.899)
contains.

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Color

CIELCh(83, 84.431, 101.981)

Conversions

Conversions Part 1

Format	Color
Hex	D8D502
RGB	216, 213, 2
RGB Percent	85%, 84%, 1%
CMY	0.1531, 0.1648, 0.9926
CMYK	0.00, 0.01, 0.99, 0.15
HSL	59°, 98%, 43%
HSV	59°, 99%, 85%
XYZ	52.0987, 62.1629, 9.3061
YIQ	189.8430, 69.5190, -64.9850

Conversions

Conversions Part 2

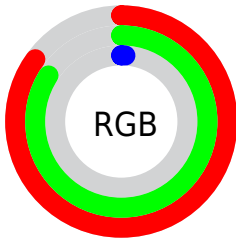
Format	Color
RYB	5, 216, 2
Decimal	14210306
CIELab	83.00, -17.53, 82.59
CIElCh	83, 84.431, 101.981
Yxy	62.1629, 0.4216, 0.5031
Android (android.graphics.Color)	4292400386 (0xFFD8D502)
YUV	189.8430, -92.6066, 22.9397
Hunter-Lab	78.8435, -20.0258, 48.1923

Details

The CIELCh color **83, 84.431, 101.981** 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 **27, 117.038, 306.085**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.990, 104.152**, and **63, 68.104, 104.008** is the 20% darker color. If you saturate the color by 10%, you get **83, 84.591, 101.963**, and if you desaturate by 10%, it is **83, 82.165, 102.244**.

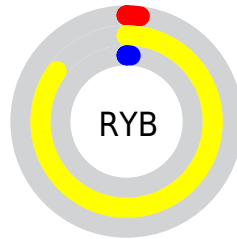
Distribution



Red (85%)

Green (84%)

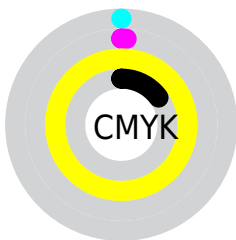
Blue (1%)



Red (2%)

Yellow (85%)

Blue (1%)

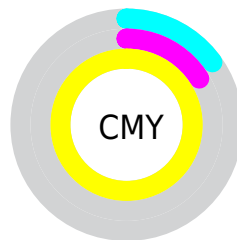


Cyan (0%)

Magenta (1%)

Yellow (99%)

Black (15%)



Cyan (15%)


Magenta (16%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 84.431, 101.981 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, 84.431, 101.981 by changing the saturation by 10% instead.


 83, 84.431,
101.981


 83, 84.431,
101.981


 100, 84.431,
101.981


 73, 84.431,
101.981

 63, 84.431,
101.981

 53, 84.431,
101.981

 43, 84.431,
101.981

 33, 84.431,
101.981

 23, 84.431,
101.981

 13, 84.431,

101.981

■ 3, 84.431, 101.981

■ 0, 84.431, 101.981

■ 83, 84.431,
101.981

■ 83, 84.431,
101.981

■ 83, 84.591,
101.963

■ 83, 82.165,
102.244

■ 83, 77.664,
102.674

■ 83, 70.972,
103.279

■ 84, 62.606,
104.027

■ 84, 53.095,

104.880

■ 84, 42.854,
105.803

■ 85, 32.169,
106.767

■ 85, 21.229,
107.748

■ 86, 10.153,
108.727

Harmonies

Complementary

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



83, 84.431, 101.981



27, 117.038, 306.085

Rectangle

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



83, 84.431, 101.981



83, 84.431, 151.981



83, 84.431, 281.981



83, 84.431, 331.981

Sweetspot

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



83, 84.430, 101.983



98, 37.886, 106.654



45, 91.070, 39.230



52, 25.764, 106.242



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, 84.430, 101.983



96, 95.888, 101.955



78, 95.573, 127.558



45, 6.271, 108.699



67, 71.048, 101.978



17, 24.669, 103.766

Inverse Universe

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



27, 117.038, 306.085



32, 133.268, 306.175



34, 110.207, 311.456



41, 6.407, 290.606



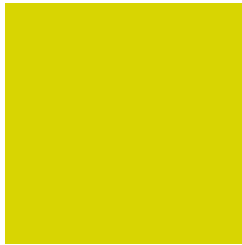
20, 98.456, 306.102



2, 27.307, 293.738

Previews

White Background



This preview shows how the CIELCh color 83, 84.431, 101.981 looks on a white background.

Color Contrast Check

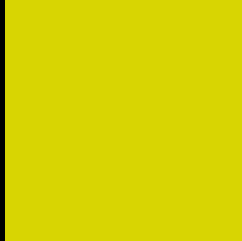
Large Text (above 18pt) WCAG AA × Fail

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, 84.431, 101.981 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, 84.431, 101.981

Background



This preview shows how black text looks on a background with the CIELCh color 83, 84.431, 101.981.

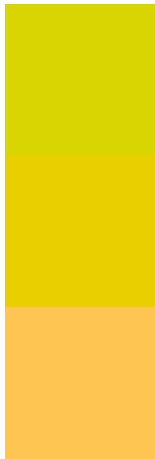


This preview shows how white text looks on a background with the CIELCh color 83, 84.431, 101.981.

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, 84.431, 101.981

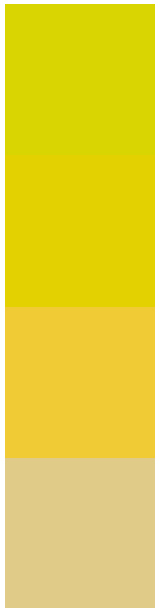
Protanopia
83, 83.656, 94.989

Deuteranopia
83, 63.795, 81.452



Tritanopia
83, 14.150, 346.568

Trichromacy



Original Color
83, 84.431, 101.981

Protanomaly
83, 83.706, 97.447

Deuteranomaly
83, 73.509, 90.617

Tritanomaly
82, 36.251, 92.526

Monochromacy



Original Color
83, 84.431, 101.981

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 39.715, 105.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 84.431, 101.981 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(216, 213, 2)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 2)  
}
```

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(216, 213, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 84.431, 101.981 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(216, 213, 2) }
```

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

```
.border{ border-color:rgb(216, 213, 2) }
```

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

Here you see how a box with a 4 pixel rgb(216, 213, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 2);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 84.431, 101.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 2) }
```

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

```
.background{ background-color: rgb(216,  
213, 2) }
```

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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