

Converting Colors

CIELCh(83, 83.037, 103.005)

Have a look what the booklet for
CIELCh(83, 83.037, 103.005)
contains.

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Color

CIELCh(83, 83.167, 102.992)

Conversions

Conversions Part 1

Format	Color
Hex	D6D611
RGB	214, 214, 17
RGB Percent	84%, 84%, 7%
CMY	0.1625, 0.1623, 0.9332
CMYK	0.00, 0.00, 0.92, 0.16
HSL	60°, 85%, 45%
HSV	60°, 92%, 84%
XYZ	51.6529, 62.1629, 9.8072
YIQ	191.5420, 63.2370, -61.2670

Conversions

Conversions Part 2

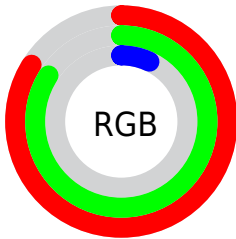
Format	Color
RYB	17, 214, 17
Decimal	14079505
CIELab	83.00, -18.70, 81.04
CIELCh	83, 83.167, 102.992
Yxy	62.1629, 0.4178, 0.5028
Android (android.graphics.Color)	4292269585 (0xFFD6D611)
YUV	191.5420, -86.0492, 19.6957
Hunter-Lab	78.8435, -21.0349, 47.8155

Details

The CIELCh color **83, 83.167, 102.992** 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 **28, 113.106, 305.654**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **63, 68.451, 104.765** is the 20% darker color. If you saturate the color by 10%, you get **83, 84.785, 102.864**, and if you desaturate by 10%, it is **83, 79.346, 103.306**.

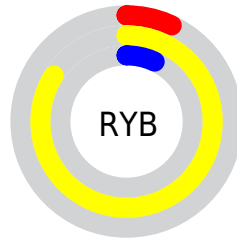
Distribution



Red (84%)

Green (84%)

Blue (7%)



Red (7%)

Yellow (84%)

Blue (7%)

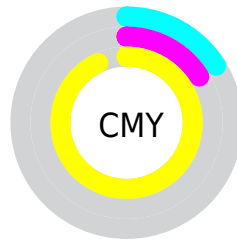


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (16%)



Cyan (16%)


Magenta (16%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 83.167, 102.992 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, 83.167, 102.992 by changing the saturation by 10% instead.


 83, 83.167,
102.992


 83, 83.167,
102.992


 100, 83.167,
102.992


 73, 83.167,
102.992

 63, 83.167,
102.992

 53, 83.167,
102.992

 43, 83.167,
102.992

 33, 83.167,
102.992

 23, 83.167,
102.992

 13, 83.167,

102.992

■ 3, 83.167, 102.992

■ 0, 83.167, 102.992

■ 83, 83.167,
102.992

■ 83, 83.167,
102.992

■ 83, 84.785,
102.864

■ 83, 79.346,
103.306

■ 83, 73.254,
103.812

■ 83, 65.333,
104.483

■ 83, 56.113,
105.278

■ 84, 46.042,

106.159

■ 84, 35.442,
107.094

■ 84, 24.528,
108.056

■ 85, 13.437,
109.025

■ 85, 2.259, 109.963

Harmonies

Complementary

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



83, 83.167, 102.992



28, 113.106, 305.654

Rectangle

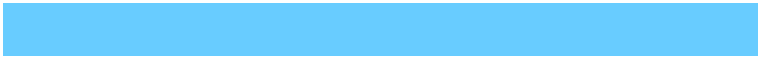
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 83.167, 102.992



83, 83.167, 152.992



83, 83.167, 282.992



83, 83.167, 332.992

Sweetspot

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



83, 83.166, 102.994



99, 35.874, 107.452



45, 87.121, 38.041



52, 24.687, 107.035



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, 83.166, 102.994



97, 96.910, 102.864



77, 92.795, 127.332



45, 6.359, 109.275



68, 71.786, 102.863



17, 25.020, 104.505

Inverse Universe

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



28, 113.106, 305.654



32, 133.815, 306.288



36, 105.763, 312.262



41, 6.500, 291.161



20, 99.122, 306.288



2, 27.577, 294.047

Previews

White Background



This preview shows how the CIELCh color 83, 83.167, 102.992 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, 83.167, 102.992 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, 83.167, 102.992

Background



This preview shows how black text looks on a background with the CIELCh color 83, 83.167, 102.992.

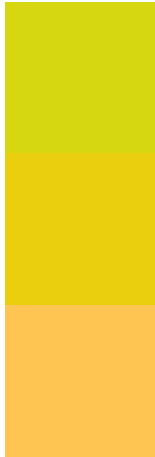


This preview shows how white text looks on a background with the CIELCh color 83, 83.167, 102.992.

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, 83.292, 102.982

Protanopia

83, 82.461, 94.981

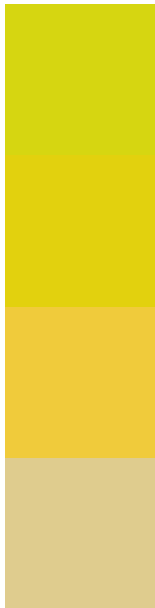
Deuteranopia

83, 63.795, 81.452



Tritanopia
83, 13.239, 343.767

Trichromacy



Original Color
83, 83.292, 102.982

Protanomaly
83, 82.456, 97.777

Deuteranomaly
83, 71.762, 90.822

Tritanomaly
82, 33.405, 93.824

Monochromacy



Original Color
83, 83.292, 102.982

Achromatopsia
77, 0.009, 296.813

Achromatomaly
79, 37.164, 106.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 83.167, 102.992 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(214, 214, 17)` looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 17)  
}
```

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(214, 214, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 214, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 83.167, 102.992 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(214, 214, 17) }
```

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

```
.border{ border-color:rgb(214, 214, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 214, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 214, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 214, 17);  
box-shadow:4px 4px 4px 4px rgb(214, 214,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 83.167, 102.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 214, 17) }
```

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

```
.background{ background-color: rgb(214,  
214, 17) }
```

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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