

Converting Colors

CIELCh(83, 80.563, 106.395)

Have a look what the booklet for
CIELCh(83, 80.563, 106.395)
contains.

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Color

CIELCh(83, 80.622, 106.619)

Conversions

Conversions Part 1

Format	Color
Hex	CDD825
RGB	205, 216, 37
RGB Percent	80%, 85%, 15%
CMY	0.1965, 0.1533, 0.8554
CMYK	0.05, 0.00, 0.83, 0.15
HSL	64°, 71%, 50%
HSV	64°, 83%, 85%
XYZ	50.0143, 62.1629, 11.1021
YIQ	192.3050, 50.9030, -58.0010

Conversions

Conversions Part 2

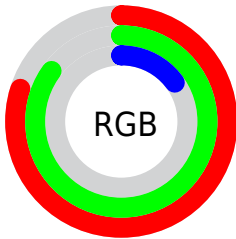
Format	Color
R_{YB}	37, 216, 48
Decimal	13490213
CIE _{Lab}	83.00, -23.06, 77.25
CIE _{LCh}	83, 80.622, 106.619
Yxy	62.1629, 0.4057, 0.5042
Android (android.graphics.Color)	4291680293 (0xFFCDD825)
YUV	192.3050, -76.5654, 11.1335
Hunter-Lab	78.8435, -24.7448, 46.8417

Details

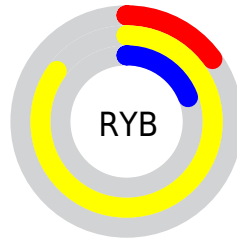
The CIELCh color **83, 80.622, 106.619** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **32, 105.886, 304.929**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 73.656, 104.550**, and **63, 69.131, 108.495** is the 20% darker color. If you saturate the color by 10%, you get **83, 84.296, 106.577**, and if you desaturate by 10%, it is **83, 74.637, 106.925**.

Distribution



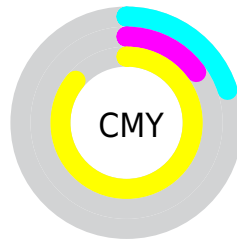
- Red (80%)
- Green (85%)
- Blue (15%)



- Red (15%)
- Yellow (85%)
- Blue (19%)



- Cyan (5%)
- Magenta (0%)
- Yellow (83%)
- Black (15%)





- Cyan (20%)
- Magenta (15%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 80.622, 106.619 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, 80.622, 106.619 by changing the saturation by 10% instead.


 83, 80.622,
106.619


 83, 80.622,
106.619


 100, 80.622,
106.619


 73, 80.622,
106.619

 63, 80.622,
106.619

 53, 80.622,
106.619

 43, 80.622,
106.619

 33, 80.622,
106.619

 23, 80.622,
106.619

 13, 80.622,

106.619

■ 3, 80.622, 106.619

■ 0, 80.622, 106.619

■ 83, 80.622,
106.619

■ 83, 80.622,
106.619

■ 83, 84.296,
106.577

■ 83, 74.637,
106.925

■ 83, 85.723,
106.678

■ 83, 66.767,
107.442

■ 84, 57.548,
108.115

■ 84, 47.439,
108.891

■ 85, 36.773,

109.729

■ 85, 25.772,
110.599

■ 86, 14.581,
111.475

■ 86, 3.294, 112.335

■ 87, 8.027, 293.203

Harmonies

Complementary

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



83, 80.622, 106.619



32, 105.886, 304.929

Rectangle

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



83, 80.622, 106.619



83, 80.622, 156.619



83, 80.622, 286.619



83, 80.622, 336.619

Sweetspot

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



83, 80.622, 106.621



98, 32.134, 110.396



48, 79.279, 36.442



52, 21.875, 110.087



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, 80.622, 106.621



96, 97.199, 106.714



78, 90.214, 128.278



45, 6.368, 111.781



67, 71.990, 106.619



17, 25.053, 108.009

Inverse Universe

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



32, 105.886, 304.929



33, 133.534, 306.416



40, 99.903, 313.837



41, 6.509, 293.471



20, 98.801, 306.487



2, 27.637, 295.578

Previews

White Background



This preview shows how the CIELCh color 83, 80.622, 106.619 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, 80.622, 106.619 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, 80.622, 106.619

Background



This preview shows how black text looks on a background with the CIELCh color 83, 80.622, 106.619.



This preview shows how white text looks on a background with the CIELCh color 83, 80.622, 106.619.

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, 80.622, 106.619

Protanopia

83, 79.019, 95.262

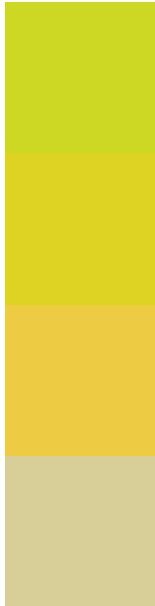
Deuteranopia

83, 63.388, 81.347



Tritanopia
83, 10.937, 329.591

Trichromacy



Original Color
83, 80.622, 106.619

Protanomaly
83, 79.117, 99.455

Deuteranomaly
83, 68.868, 92.055

Tritanomaly
82, 28.510, 100.385

Monochromacy



Original Color
83, 80.622, 106.619

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 34.103, 109.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 80.622, 106.619 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(205, 216, 37)` looks like.

```
.text, #text, p{  
    color:rgb(205, 216, 37)  
}
```

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(205, 216, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 216, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 80.622, 106.619 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(205, 216, 37) }
```

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

```
.border{ border-color:rgb(205, 216, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 216, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 216, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 216, 37);  
box-shadow:4px 4px 4px 4px rgb(205, 216,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 80.622, 106.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 216, 37) }
```

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

```
.background{ background-color: rgb(205,  
216, 37) }
```

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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