

Converting Colors

CIELCh(83, 85.277, 107.139)

Have a look what the booklet for
CIELCh(83, 85.277, 107.139)
contains.

CIELCh(83, 85.329, 107.246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 85.329, 107.246)

Conversions

Conversions Part 1

Format	Color
Hex	CAD909
RGB	202, 217, 9
RGB Percent	79%, 85%, 4%
CMY	0.2081, 0.1492, 0.9654
CMYK	0.07, 0.00, 0.96, 0.15
HSL	64°, 92%, 44%
HSV	64°, 96%, 85%
XYZ	49.1865, 62.1629, 9.6587
YIQ	188.8030, 57.8280, -67.8680

Conversions

Conversions Part 2

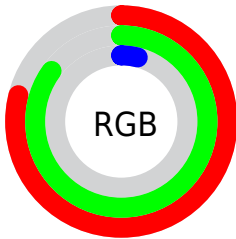
Format	Color
RYB	9, 217, 24
Decimal	13293833
CIELab	83.00, -25.30, 81.49
CIELCh	83, 85.329, 107.246
Yxy	62.1629, 0.4065, 0.5137
Android (android.graphics.Color)	4291483913 (0xFFCAD909)
YUV	188.8030, -88.6429, 11.5738
Hunter-Lab	78.8435, -26.6190, 47.9271

Details

The CIELCh color **83, 85.329, 107.246** 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 **28, 116.138, 306.232**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **63, 69.677, 109.919** is the 20% darker color. If you saturate the color by 10%, you get **83, 86.118, 107.331**, and if you desaturate by 10%, it is **83, 82.353, 107.164**.

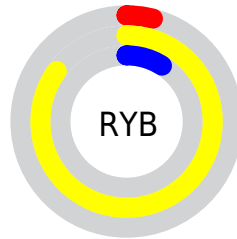
Distribution



Red (79%)

Green (85%)

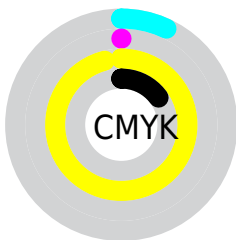
Blue (4%)



Red (4%)

Yellow (85%)

Blue (9%)

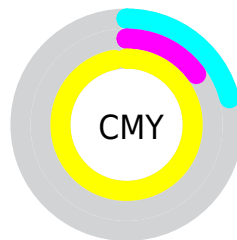


Cyan (7%)

Magenta (0%)

Yellow (96%)

Black (15%)



Cyan (21%)


Magenta (15%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 85.329, 107.246 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, 85.329, 107.246 by changing the saturation by 10% instead.


 83, 85.329,
107.246


 83, 85.329,
107.246


 100, 85.329,
107.246


 73, 85.329,
107.246

 63, 85.329,
107.246

 53, 85.329,
107.246

 43, 85.329,
107.246

 33, 85.329,
107.246

 23, 85.329,
107.246

 13, 85.329,

107.246

■ 3, 85.329, 107.246

■ 0, 85.329, 107.246

■ 83, 85.329,
107.246

■ 83, 85.329,
107.246

■ 83, 86.118,
107.331

■ 83, 82.353,
107.164

■ 83, 77.004,
107.359

■ 84, 69.610,
107.792

■ 84, 60.703,
108.404

■ 84, 50.778,

109.137

■ 85, 40.206,
109.944

■ 85, 29.240,
110.792

■ 86, 18.046,
111.653

■ 86, 6.731, 112.508

Harmonies

Complementary

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



83, 85.329, 107.246



28, 116.138, 306.232

Rectangle

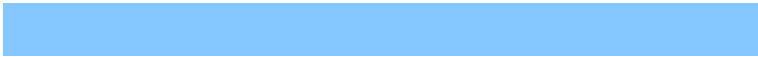
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 85.329, 107.246



83, 85.329, 157.246



83, 85.329, 287.246



83, 85.329, 337.246

Sweetspot

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



83, 85.329, 107.248



98, 37.197, 110.507



46, 89.327, 39.817



52, 25.438, 110.142



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, 85.329, 107.248



96, 97.299, 107.371



77, 97.356, 129.832



46, 6.495, 112.210



68, 72.855, 107.264



18, 26.548, 108.236

Inverse Universe

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



28, 116.138, 306.232



33, 133.469, 306.445



37, 107.417, 313.671



42, 6.640, 293.873



20, 99.836, 306.520



2, 29.692, 296.690

Previews

White Background



This preview shows how the CIELCh color 83, 85.329, 107.246 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, 85.329, 107.246 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, 85.329, 107.246

Background



This preview shows how black text looks on a background with the CIELCh color 83, 85.329, 107.246.




This preview shows how white text looks on a background with the CIELCh color 83, 85.329, 107.246.

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](#).

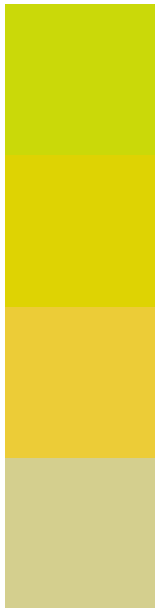
Dichromacy





Tritanopia
83, 10.084, 323.103

Trichromacy



Original Color
83, 85.329, 107.246

Protanomaly
83, 83.871, 99.589

Deuteranomaly
83, 72.902, 92.665

Tritanomaly
82, 33.953, 103.733

Monochromacy



Original Color
83, 85.329, 107.246

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 39.742, 109.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 85.329, 107.246 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(202, 217, 9)` looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 9)  
}
```

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(202, 217, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 85.329, 107.246 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(202, 217, 9) }
```

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

```
.border{ border-color:rgb(202, 217, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 217, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 9);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 85.329, 107.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 9) }
```

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

```
.background{ background-color: rgb(202,  
217, 9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor