

Converting Colors

CIELCh(83, 15.650, 309.617)

Have a look what the booklet for
CIELCh(83, 15.650, 309.617)
contains.

CIELCh(83, 15.690, 309.617)	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, 15.690, 309.617)

Conversions

Conversions Part 1

Format	Color
Hex	D7C9E5
RGB	215, 201, 229
RGB Percent	84%, 79%, 90%
CMY	0.1552, 0.2101, 0.1003
CMYK	0.06, 0.12, 0.00, 0.10
HSL	270°, 35%, 84%
HSV	270°, 12%, 90%
XYZ	63.3380, 62.1629, 83.1051
YIQ	208.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

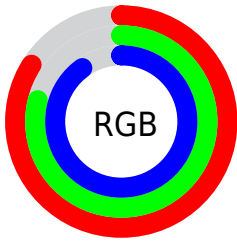
Format	Color
RYB	215, 201, 229
Decimal	14141925
CIELab	83.00, 10.00, -12.09
CIELCh	83, 15.690, 309.617
Yxy	62.1629, 0.3036, 0.2980
Android (android.graphics.Color)	4292332005 (0xFFD7C9E5)
YUV	208.3780, 10.1666, 5.8075
Hunter-Lab	78.8435, 5.4198, -7.3043

Details

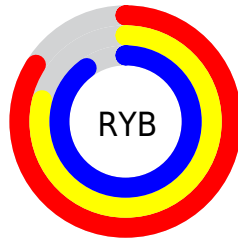
The CIELCh color `83, 15.690, 309.617` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 15.423, 128.530`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 15.938, 309.131` is the 20% darker color. If you saturate the color by 10%, you get `76, 28.934, 310.120`, and if you desaturate by 10%, it is `90, 2.802, 309.117`.

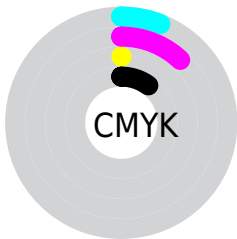
Distribution



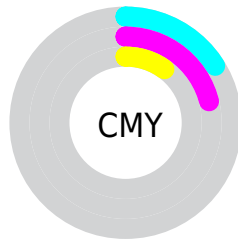
- Red (84%)
- Green (79%)
- Blue (90%)



- Red (84%)
- Yellow (79%)
- Blue (90%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)





- Cyan (16%)
- Magenta (21%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 15.690, 309.617 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, 15.690, 309.617 by changing the saturation by 10% instead.


 83, 15.690,
309.617


 83, 15.690,
309.617


 100, 15.690,
309.617


 73, 15.690,
309.617

 63, 15.690,
309.617

 53, 15.690,
309.617

 43, 15.690,
309.617

 33, 15.690,
309.617

 23, 15.690,
309.617

 13, 15.690,

309.617

■ 3, 15.690, 309.617

■ 0, 15.690, 309.617

■ 83, 15.690,
309.617

■ 83, 15.690,
309.617

■ 76, 28.934,
310.120

■ 90, 2.802, 309.117

■ 70, 42.474,
310.655

■ 96, 9.696, 128.763

■ 63, 56.176,
311.203

■ 99, 13.096,
117.375

■ 57, 69.795,
311.732

■ 99, 12.939,
109.200

■ 52, 82.920,

312.190

■ 46, 94.907,
312.498

■ 42, 104.883,
312.551

■ 38, 111.917,
312.232

■ 37, 115.376,
311.740

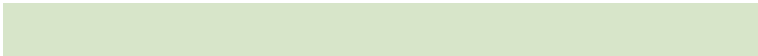
Harmonies

Complementary

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



83, 15.690, 309.617



89, 15.423, 128.530

Rectangle

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



83, 15.690, 309.617



83, 15.690, 359.617



83, 15.690, 129.617



83, 15.690, 179.617

Sweetspot

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



83, 15.688, 309.615



97, 5.540, 309.218



86, 8.593, 255.250



51, 3.940, 309.256



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, 15.688, 309.615



89, 21.087, 309.757



84, 17.782, 324.641



45, 7.273, 309.482



28, 95.456, 311.925



4, 35.626, 311.034

Inverse Universe

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



84, 12.618, 344.653



90, 16.946, 344.925



88, 17.754, 143.293



45, 5.853, 344.398



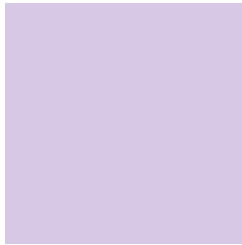
38, 64.859, 1.881



7, 27.612, 354.931

Previews

White Background



This preview shows how the CIELCh color 83, 15.690, 309.617 looks on a white background.

Color Contrast Check

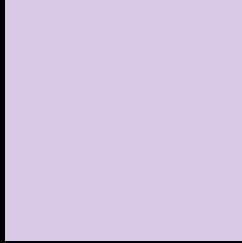
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 15.690, 309.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

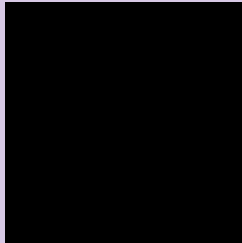
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

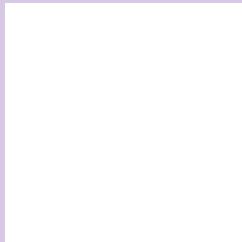
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 15.690, 309.617

Background



This preview shows how black text looks on a background with the CIELCh color 83, 15.690, 309.617.



This preview shows how white text looks on a background with the CIELCh color 83, 15.690, 309.617.

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

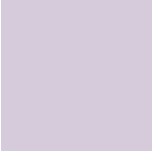
83, 15.690, 309.617

Protanopia

83, 14.290, 288.661

Deuteranopia

83, 15.805, 310.836



Tritanopia
83, 9.382, 315.620

Trichromacy



Original Color
83, 15.690, 309.617

Protanomaly
83, 14.383, 296.926

Deuteranomaly
83, 15.805, 310.836

Tritanomaly
83, 12.094, 313.495

Monochromacy



Original Color
83, 15.690, 309.617

Achromatopsia
84, 0.010, 296.813

Achromatomaly
83, 5.608, 309.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 15.690, 309.617 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(215, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(215, 201, 229)  
}
```

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(215, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 201, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 15.690, 309.617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

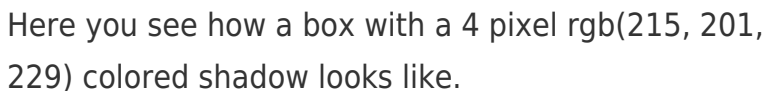
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 201, 229) }
```

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

```
.border{ border-color:rgb(215, 201, 229) }
```

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



Here you see how a box with a 4 pixel rgb(215, 201, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 201, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 201, 229); box-shadow:4px 4px 4px 4px rgb(215, 201, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 15.690, 309.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 201, 229) }
```

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

```
.background{ background-color: rgb(215,  
201, 229) }
```

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