

Converting Colors

CIELCh(83, 7.829, 302.182)

Have a look what the booklet for
CIELCh(83, 7.829, 302.182) contains.

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Color

CIELCh(83, 7.566, 301.639)

Conversions

Conversions Part 1

Format	Color
Hex	D1CDDB
RGB	209, 205, 219
RGB Percent	82%, 80%, 86%
CMY	0.1814, 0.1970, 0.1422
CMYK	0.05, 0.06, 0.00, 0.14
HSL	257°, 16%, 83%
HSV	257°, 6%, 86%
XYZ	60.7480, 62.1629, 75.6406
YIQ	207.7920, -2.1100, 5.2020

Conversions

Conversions Part 2

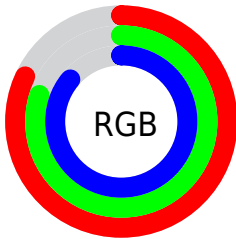
Format	Color
R_{YB}	209, 205, 219
Decimal	13749723
CIE _{Lab}	83.00, 3.97, -6.44
CIE _{LCh}	83, 7.566, 301.639
Y _{xy}	62.1629, 0.3060, 0.3131
Android (android.graphics.Color)	4291939803 (0xFFD1CDDB)
Y _{UV}	207.7920, 5.5255, 1.0594
Hunter-Lab	78.8435, -0.4439, -1.6910

Details

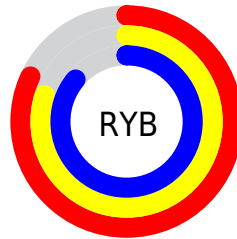
The CIELCh color **83, 7.566, 301.639** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 7.457, 120.892**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 7.452, 302.536** is the 20% darker color. If you saturate the color by 10%, you get **76, 19.728, 302.305**, and if you desaturate by 10%, it is **90, 4.167, 121.067**.

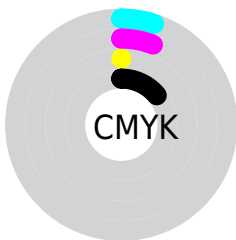
Distribution



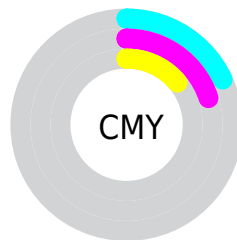
- Red (82%)
- Green (80%)
- Blue (86%)



- Red (82%)
- Yellow (80%)
- Blue (86%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (18%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 7.566, 301.639 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, 7.566, 301.639 by changing the saturation by 10% instead.

■ 83, 7.566, 301.639

■ 83, 7.566, 301.639

■ 100, 7.566,
301.639

■ 73, 7.566, 301.639

■ 63, 7.566, 301.639

■ 53, 7.566, 301.639

■ 43, 7.566, 301.639

■ 33, 7.566, 301.639

■ 23, 7.566, 301.639

■ 13, 7.566, 301.639

■ 3, 7.566, 301.639

■ 0, 7.566, 301.639

83, 7.566, 301.639

83, 7.566, 301.639

76, 19.728,
302.305

90, 4.167, 121.067

69, 32.328,
303.065

96, 15.481,
120.553

63, 45.343,
303.914

99, 18.330,
108.791

56, 58.690,
304.841

50, 72.175,
305.814

44, 85.393,
306.765

38, 97.603,
307.578

34, 107.651,
308.079

■ 31, 114.262,
308.089

Harmonies

Complementary

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



83, 7.566, 301.639



87, 7.457, 120.892

Rectangle

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



83, 7.566, 301.639



83, 7.566, 351.639



83, 7.566, 121.639



83, 7.566, 171.639

Sweetspot

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



83, 7.564, 301.633



98, 2.665, 301.354



85, 4.084, 230.046



53, 1.515, 301.347



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, 7.564, 301.633



94, 10.741, 301.740



84, 8.416, 318.563



42, 6.760, 301.829



23, 97.435, 308.184



3, 30.139, 302.000

Inverse Universe

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



84, 7.351, 334.088



95, 10.424, 334.212



86, 8.372, 138.051



43, 6.552, 334.311



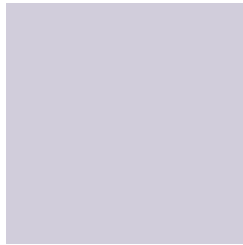
39, 69.841, 343.736



6, 28.298, 340.440

Previews

White Background



This preview shows how the CIELCh color 83, 7.566, 301.639 looks on a white background.

Color Contrast Check

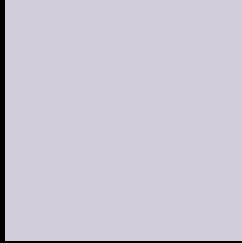
Large Text (above 18pt) WCAG AA × Fail

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, 7.566, 301.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

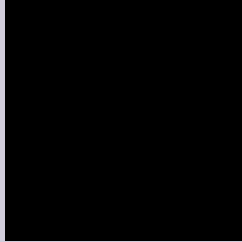
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

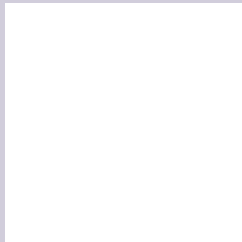
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 7.566, 301.639

Background



This preview shows how black text looks on a background with the CIELCh color 83, 7.566, 301.639.

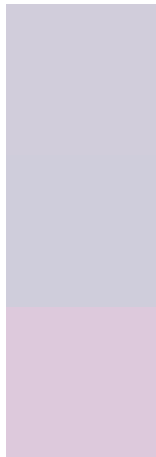


This preview shows how white text looks on a background with the CIELCh color 83, 7.566, 301.639.

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, 7.566, 301.639

Protanopia

83, 7.456, 296.278

Deuteranopia

83, 12.403, 326.293



Tritanopia
83, 9.201, 302.032

Trichromacy



Original Color
83, 7.566, 301.639

Protanomaly
83, 7.503, 298.975

Deuteranomaly
83, 10.986, 320.148

Tritanomaly
83, 8.683, 302.682

Monochromacy



Original Color
83, 7.566, 301.639

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.678, 298.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 7.566, 301.639 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(209, 205, 219)` looks like.

```
.text, #text, p{  
    color:rgb(209, 205, 219)  
}
```

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(209, 205, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 205, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 7.566, 301.639 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(209, 205, 219) }
```

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

```
.border{ border-color:rgb(209, 205, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 205, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 205, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 205, 219);  
box-shadow:4px 4px 4px 4px rgb(209, 205,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 7.566, 301.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 205, 219) }
```

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

```
.background{ background-color: rgb(209,  
205, 219) }
```

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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