

Converting Colors

CIELCh(83, 16.299, 309.625)

Have a look what the booklet for
CIELCh(83, 16.299, 309.625)
contains.

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Color

CIELCh(83, 16.302, 310.226)

Conversions

Conversions Part 1

Format	Color
Hex	D8C9E6
RGB	216, 201, 230
RGB Percent	85%, 79%, 90%
CMY	0.1525, 0.2113, 0.0976
CMYK	0.06, 0.13, 0.00, 0.10
HSL	271°, 37%, 85%
HSV	271°, 13%, 90%
XYZ	63.5659, 62.1629, 83.5975
YIQ	208.7910, -0.3690, 12.1990

Conversions

Conversions Part 2

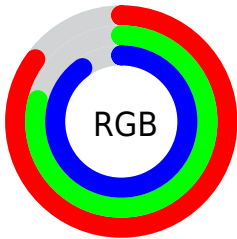
Format	Color
R _Y B	216, 201, 230
Decimal	14207462
CIE Lab	83.00, 10.53, -12.45
CIE LCh	83, 16.302, 310.226
Yxy	62.1629, 0.3037, 0.2970
Android (android.graphics.Color)	4292397542 (0xFFD8C9E6)
YUV	208.7910, 10.4560, 6.3223
Hunter-Lab	78.8435, 5.9357, -7.6746

Details

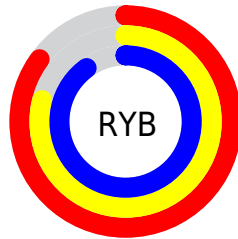
The CIELCh color $83, 16.302, 310.226$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $90, 16.027, 129.117$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 16.052, 310.397$ is the 20% darker color. If you saturate the color by 10%, you get $76, 29.626, 310.720$, and if you desaturate by 10%, it is $90, 3.324, 309.738$.

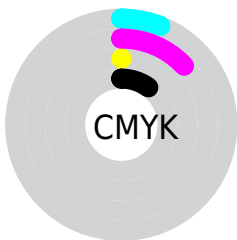
Distribution



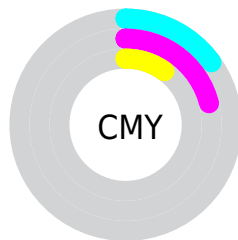
- Red (85%)
- Green (79%)
- Blue (90%)



- Red (85%)
- Yellow (79%)
- Blue (90%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)





- Cyan (15%)
- Magenta (21%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 16.302, 310.226 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, 16.302, 310.226 by changing the saturation by 10% instead.


 83, 16.302,
310.226


 83, 16.302,
310.226


 100, 16.302,
310.226


 73, 16.302,
310.226

 63, 16.302,
310.226

 53, 16.302,
310.226

 43, 16.302,
310.226

 33, 16.302,
310.226

 23, 16.302,
310.226

 13, 16.302,

310.226

■ 3, 16.302, 310.226

■ 0, 16.302, 310.226

■ 83, 16.302,
310.226

■ 83, 16.302,
310.226

■ 76, 29.626,
310.720

■ 90, 3.324, 309.738

■ 70, 43.229,
311.242

■ 96, 9.269, 129.383

■ 64, 56.965,
311.771

■ 99, 12.776,
118.246

■ 57, 70.575,
312.275

■ 99, 12.593,
109.226

■ 52, 83.631,

312.701

■ 47, 95.476,
312.971

■ 42, 105.238,
312.982

■ 39, 112.025,
312.622

■ 37, 115.204,
312.136

Harmonies

Complementary

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



83, 16.302, 310.226



90, 16.027, 129.117

Rectangle

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



83, 16.302, 310.226



83, 16.302, 0.226



83, 16.302, 130.226



83, 16.302, 180.226

Sweetspot

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



83, 16.300, 310.224



97, 5.560, 309.814



85, 9.139, 258.956



51, 3.955, 309.852



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, 16.300, 310.224



89, 21.158, 310.345



84, 18.293, 325.569



45, 7.298, 310.074



28, 95.103, 312.324



4, 35.732, 311.648

Inverse Universe

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



84, 12.917, 345.646



90, 16.759, 345.884



89, 18.270, 144.133



45, 5.787, 345.347



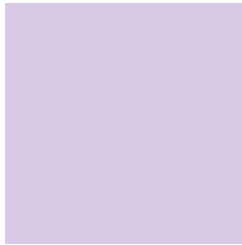
38, 64.709, 3.520



7, 27.451, 356.248

Previews

White Background



This preview shows how the CIELCh color 83, 16.302, 310.226 looks on a white background.

Color Contrast Check

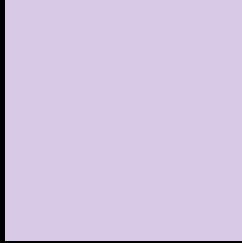
Large Text (above 18pt) WCAG AA × Fail

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, 16.302, 310.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

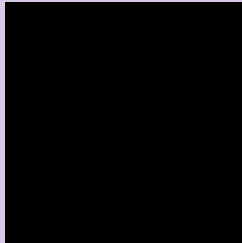
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

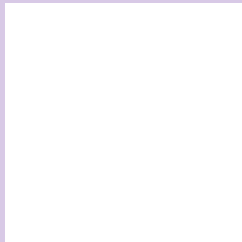
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 16.302, 310.226

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.302, 310.226.



This preview shows how white text looks on a background with the CIELCh color 83, 16.302, 310.226.

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

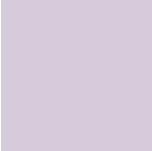
83, 16.302, 310.226

Protanopia

83, 14.818, 288.809

Deuteranopia

83, 16.302, 310.226



Tritanopia
83, 9.382, 315.620

Trichromacy



Original Color
83, 16.302, 310.226

Protanomaly
83, 14.909, 296.764

Deuteranomaly
83, 16.302, 310.226

Tritanomaly
83, 12.094, 313.495

Monochromacy



Original Color
83, 16.302, 310.226

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 6.227, 310.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.302, 310.226 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(216, 201, 230)` looks like.

```
.text, #text, p{  
    color:rgb(216, 201, 230)  
}
```

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(216, 201, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 201, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.302, 310.226 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(216, 201, 230) }
```

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

```
.border{ border-color:rgb(216, 201, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 201, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 201, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 201, 230);  
box-shadow:4px 4px 4px 4px rgb(216, 201,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.302, 310.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 201, 230) }
```

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

```
.background{ background-color: rgb(216,  
201, 230) }
```

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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