

Converting Colors

CIELCh(83, 16.780, 320.225)

Have a look what the booklet for
CIELCh(83, 16.780, 320.225)
contains.

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Color

CIElCh(83, 16.988, 319.991)

Conversions

Conversions Part 1

Format	Color
Hex	DEC7E3
RGB	222, 199, 227
RGB Percent	87%, 78%, 89%
CMY	0.1280, 0.2182, 0.1084
CMYK	0.02, 0.12, 0.00, 0.11
HSL	289°, 34%, 84%
HSV	289°, 12%, 89%
XYZ	64.6553, 62.1629, 81.5266
YIQ	209.0690, 4.7200, 13.5840

Conversions

Conversions Part 2

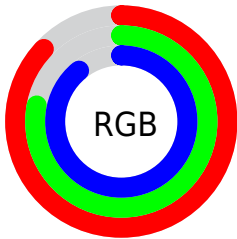
Format	Color
R_{YB}	222, 199, 227
Decimal	14600163
CIE _{Lab}	83.00, 13.01, -10.92
CIE _{LCh}	83, 16.988, 319.991
Yxy	62.1629, 0.3103, 0.2984
Android (android.graphics.Color)	4292790243 (0xFFDEC7E3)
YUV	209.0690, 8.8400, 11.3405
Hunter-Lab	78.8435, 8.4022, -6.1172

Details

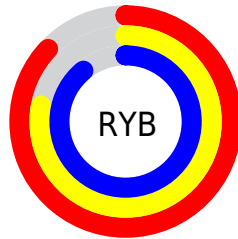
The CIELCh color $83, 16.988, 319.991$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $88, 16.886, 138.866$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 17.261, 319.935$ is the 20% darker color. If you saturate the color by 10%, you get $77, 30.974, 320.453$, and if you desaturate by 10%, it is $89, 3.173, 319.478$.

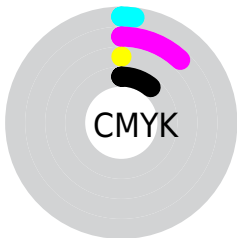
Distribution



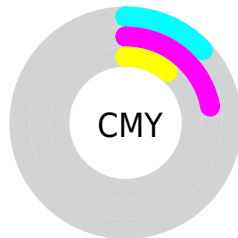
- Red (87%)
- Green (78%)
- Blue (89%)



- Red (87%)
- Yellow (78%)
- Blue (89%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (13%)
- Magenta (22%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 16.988, 319.991 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, 16.988, 319.991 by changing the saturation by 10% instead.


 83, 16.988,
319.991


 83, 16.988,
319.991


 100, 16.988,
319.991


 73, 16.988,
319.991

 63, 16.988,
319.991

 53, 16.988,
319.991

 43, 16.988,
319.991

 33, 16.988,
319.991

 23, 16.988,
319.991

 13, 16.988,

319.991

■ 3, 16.988, 319.991

■ 0, 16.988, 319.991

■ 83, 16.988,
319.991

■ 83, 16.988,
319.991

■ 77, 30.974,
320.453

■ 89, 3.173, 319.478

■ 72, 44.958,
320.901

■ 95, 10.355,
139.139

■ 66, 58.660,
321.316

■ 98, 15.900,
136.521

■ 61, 71.683,
321.670

■ 98, 15.262,
131.806

■ 57, 83.499,

■ 98, 14.737,
126.673

321.928

99, 14.340,
121.162

53, 93.483,
322.049

99, 14.086,
115.353

50, 101.024,
321.989

99, 13.985,
109.355

48, 105.725,
321.716

99, 13.984,
109.121

47, 107.696,
321.378

Harmonies

Complementary

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



83, 16.988, 319.991



88, 16.886, 138.866

Rectangle

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



83, 16.988, 319.991



83, 16.988, 9.991



83, 16.988, 139.991



83, 16.988, 189.991

Sweetspot

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



83, 16.986, 319.991



97, 6.014, 319.586



82, 12.206, 282.892



52, 4.276, 319.627



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, 16.986, 319.991



90, 22.750, 320.120



83, 14.348, 335.806



45, 7.874, 319.856



37, 89.835, 321.480



7, 37.151, 322.292

Inverse Universe

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



83, 10.722, 6.016



90, 14.440, 6.323



88, 14.256, 154.095



45, 4.943, 5.707



37, 72.024, 30.873



7, 26.689, 14.317

Previews

White Background



This preview shows how the CIELCh color 83, 16.988, 319.991 looks on a white background.

Color Contrast Check

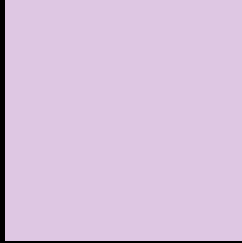
Large Text (above 18pt) WCAG AA × Fail

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, 16.988, 319.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

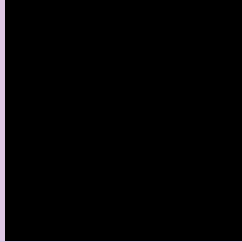
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 16.988, 319.991

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.988, 319.991.



This preview shows how white text looks on a background with the CIELCh color 83, 16.988, 319.991.

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, 16.988, 319.991

Protanopia

83, 13.762, 288.504

Deuteranopia

83, 15.084, 314.722



Tritanopia
83, 11.168, 331.062

Trichromacy



Original Color
83, 16.988, 319.991

Protanomaly
83, 14.544, 301.025

Deuteranomaly
83, 16.020, 317.504

Tritanomaly
83, 13.477, 324.942

Monochromacy



Original Color
83, 16.988, 319.991

Achromatopsia
84, 0.010, 296.813

Achromatomaly
83, 6.690, 319.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.988, 319.991 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(222, 199, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 199, 227)  
}
```

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(222, 199, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 199, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.988, 319.991 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(222, 199, 227) }
```

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

```
.border{ border-color:rgb(222, 199, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 199, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 199, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 199, 227); box-shadow:4px 4px 4px 4px rgb(222, 199, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.988, 319.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 199, 227) }
```

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

```
.background{ background-color: rgb(222,  
199, 227) }
```

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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