

Converting Colors

CIELCh(83, 19.042, 313.593)

Have a look what the booklet for
CIELCh(83, 19.042, 313.593)
contains.

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Color

CIELCh(83, 18.898, 313.281)

Conversions

Conversions Part 1

Format	Color
Hex	DCC8E9
RGB	220, 200, 233
RGB Percent	86%, 78%, 91%
CMY	0.1387, 0.2171, 0.0877
CMYK	0.06, 0.14, 0.00, 0.09
HSL	276°, 42%, 85%
HSV	276°, 14%, 91%
XYZ	64.6307, 62.1629, 85.4059
YIQ	209.7420, 1.3270, 14.5030

Conversions

Conversions Part 2

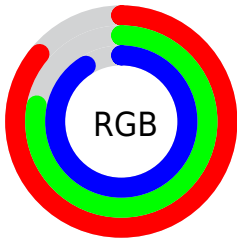
Format	Color
R _Y B	220, 200, 233
Decimal	14469353
CIE Lab	83.00, 12.96, -13.76
CIE LCh	83, 18.898, 313.281
Yxy	62.1629, 0.3046, 0.2929
Android (android.graphics.Color)	4292659433 (0xFFDCC8E9)
YUV	209.7420, 11.4662, 8.9963
Hunter-Lab	78.8435, 8.3465, -9.0344

Details

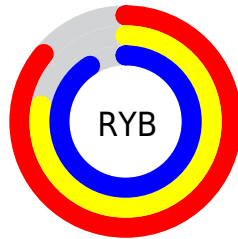
The CIELCh color **83, 18.898, 313.281** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90, 18.614, 132.079**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 18.784, 313.644** is the 20% darker color. If you saturate the color by 10%, you get **77, 32.579, 313.739**, and if you desaturate by 10%, it is **89, 5.505, 312.826**.

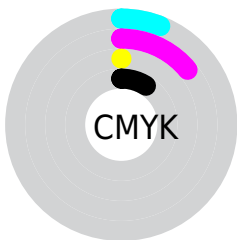
Distribution



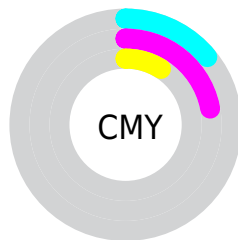
- Red (86%)
- Green (78%)
- Blue (91%)



- Red (86%)
- Yellow (78%)
- Blue (91%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)





- Cyan (14%)
- Magenta (22%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 18.898, 313.281 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, 18.898, 313.281 by changing the saturation by 10% instead.


 83, 18.898,
313.281


 83, 18.898,
313.281


 100, 18.898,
313.281


 73, 18.898,
313.281

 63, 18.898,
313.281

 53, 18.898,
313.281

 43, 18.898,
313.281

 33, 18.898,
313.281

 23, 18.898,
313.281

 13, 18.898,

313.281

■ 3, 18.898, 313.281

■ 0, 18.898, 313.281

■ 83, 18.898,
313.281

■ 83, 18.898,
313.281

■ 77, 32.579,
313.739

■ 89, 5.505, 312.826

■ 70, 46.440,
314.205

■ 96, 7.535, 132.478

■ 64, 60.278,
314.657

■ 99, 11.707,
123.276

■ 58, 73.764,
315.056

■ 99, 11.322,
109.321

■ 53, 86.396,

315.352

■ 48, 97.477,
315.470

■ 45, 106.189,
315.324

■ 42, 111.833,
314.830

■ 40, 113.946,
314.415

Harmonies

Complementary

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



83, 18.898, 313.281



90, 18.614, 132.079

Rectangle

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



83, 18.898, 313.281



83, 18.898, 3.281



83, 18.898, 133.281



83, 18.898, 183.281

Sweetspot

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



83, 18.896, 313.280



97, 5.675, 312.818



85, 11.250, 267.425



51, 4.036, 312.855



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, 18.896, 313.280



88, 24.489, 313.412



84, 19.626, 328.081



46, 7.579, 313.068



31, 94.322, 314.590



5, 38.175, 315.193

Inverse Universe

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



84, 13.912, 351.089



89, 18.045, 351.400



89, 19.591, 146.381



46, 5.571, 350.602



38, 65.642, 12.169



7, 27.938, 3.292

Previews

White Background



This preview shows how the CIELCh color 83, 18.898, 313.281 looks on a white background.

Color Contrast Check

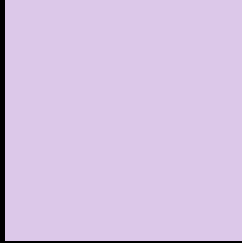
Large Text (above 18pt) WCAG AA × Fail

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, 18.898, 313.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

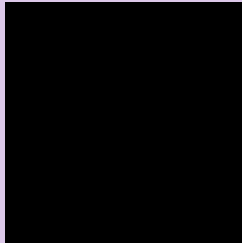
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 18.898, 313.281

Background



This preview shows how black text looks on a background with the CIELCh color 83, 18.898, 313.281.



This preview shows how white text looks on a background with the CIELCh color 83, 18.898, 313.281.

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, 18.898, 313.281

Protanopia

83, 16.412, 288.031

Deuteranopia

83, 17.200, 308.001



Tritanopia
83, 10.084, 323.103

Trichromacy



Original Color
83, 18.898, 313.281

Protanomaly
83, 17.065, 297.397

Deuteranomaly
83, 17.412, 310.225

Tritanomaly
83, 13.185, 318.401

Monochromacy



Original Color
83, 18.898, 313.281

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 6.850, 312.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 18.898, 313.281 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(220, 200, 233)` looks like.

```
.text, #text, p{  
    color:rgb(220, 200, 233)  
}
```

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(220, 200, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 200, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 18.898, 313.281 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(220, 200, 233) }
```

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

```
.border{ border-color:rgb(220, 200, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 200, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 200, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 200, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 200,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 18.898, 313.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 200, 233) }
```

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

```
.background{ background-color: rgb(220,  
200, 233) }
```

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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