

Converting Colors

CIELCh(83, 19.318, 313.671)

Have a look what the booklet for
CIELCh(83, 19.318, 313.671)
contains.

CIELCh(83, 19.532, 313.681)	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, 19.532, 313.681)

Conversions

Conversions Part 1

Format	Color
Hex	DCC7E9
RGB	220, 199, 233
RGB Percent	86%, 78%, 91%
CMY	0.1360, 0.2183, 0.0850
CMYK	0.06, 0.15, 0.00, 0.08
HSL	277°, 44%, 85%
HSV	277°, 15%, 92%
XYZ	64.8663, 62.1629, 85.9177
YIQ	209.1550, 1.6020, 15.0260

Conversions

Conversions Part 2

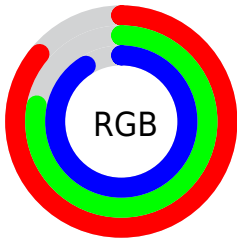
Format	Color
R_{YB}	220, 199, 233
Decimal	14469097
CIE _{Lab}	83.00, 13.49, -14.13
CIE _{LCh}	83, 19.532, 313.681
Yxy	62.1629, 0.3046, 0.2919
Android (android.graphics.Color)	4292659177 (0xFFDCC7E9)
YUV	209.1550, 11.7556, 9.5111
Hunter-Lab	78.8435, 8.8799, -9.4193

Details

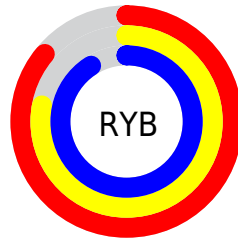
The CIELCh color `83, 19.532, 313.681` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `90, 19.241, 132.445`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 19.454, 314.065` is the 20% darker color. If you saturate the color by 10%, you get `77, 33.282, 314.136`, and if you desaturate by 10%, it is `89, 6.059, 313.229`.

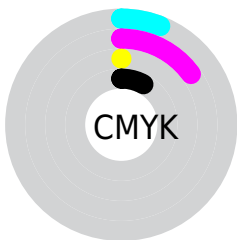
Distribution



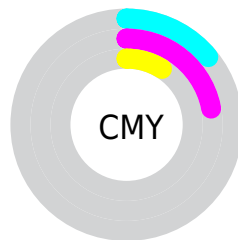
- Red (86%)
- Green (78%)
- Blue (91%)



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



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 19.532, 313.681 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, 19.532, 313.681 by changing the saturation by 10% instead.


 83, 19.532,
313.681


 83, 19.532,
313.681


 100, 19.532,
313.681


 73, 19.532,
313.681

 63, 19.532,
313.681

 53, 19.532,
313.681

 43, 19.532,
313.681

 33, 19.532,
313.681

 23, 19.532,
313.681

 13, 19.532,

313.681

■ 3, 19.532, 313.681

■ 0, 19.532, 313.681

■ 83, 19.532,
313.681

■ 83, 19.532,
313.681

■ 77, 33.282,
314.136

■ 89, 6.059, 313.229

■ 70, 47.196,
314.597

■ 96, 7.065, 132.881

■ 64, 61.058,
315.040

■ 99, 11.367,
123.782

■ 58, 74.529,
315.427

■ 99, 10.968,
109.348

■ 53, 87.091,

315.706

■ 49, 98.041,
315.805

■ 45, 106.568,
315.639

■ 42, 112.008,
315.127

■ 41, 113.927,
314.739

Harmonies

Complementary

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



83, 19.532, 313.681



90, 19.241, 132.445

Rectangle

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



83, 19.532, 313.681



83, 19.532, 3.681



83, 19.532, 133.681



83, 19.532, 183.681

Sweetspot

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



83, 19.530, 313.680



97, 5.691, 313.202



85, 11.802, 268.976



51, 4.048, 313.238



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, 19.530, 313.680



88, 24.552, 313.793



84, 19.993, 328.626



46, 7.600, 313.452



31, 94.096, 314.915



5, 38.222, 315.585

Inverse Universe

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



84, 14.248, 351.867



89, 17.928, 352.138



89, 19.953, 146.856



46, 5.533, 351.333



38, 65.803, 13.290



7, 27.902, 4.109

Previews

White Background



This preview shows how the CIELCh color 83, 19.532, 313.681 looks on a white background.

Color Contrast Check

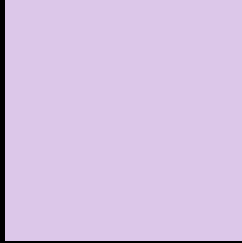
Large Text (above 18pt) WCAG AA × Fail

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, 19.532, 313.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

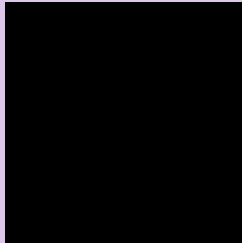
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 19.532, 313.681

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.532, 313.681.



This preview shows how white text looks on a background with the CIELCh color 83, 19.532, 313.681.

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, 19.532, 313.681

Protanopia

83, 16.956, 287.056

Deuteranopia

83, 17.706, 307.529



Tritanopia
83, 10.282, 324.817

Trichromacy



Original Color
83, 19.532, 313.681

Protanomaly
83, 17.591, 297.256

Deuteranomaly
83, 18.537, 310.230

Tritanomaly
83, 13.816, 318.721

Monochromacy



Original Color
83, 19.532, 313.681

Achromatopsia
84, 0.010, 296.813

Achromatomaly
83, 7.482, 313.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.532, 313.681 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, 199, 233)` looks like.

```
.text, #text, p{  
    color:rgb(220, 199, 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, 199, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 199, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.532, 313.681 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, 199, 233) }
```

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

```
.border{ border-color:rgb(220, 199, 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, 199, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 199, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 199, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 199,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.532, 313.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 199, 233) }
```

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

```
.background{ background-color: rgb(220,  
199, 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](#).

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