

Converting Colors

CIELCh(83, 23.475, 314.525)

Have a look what the booklet for
CIELCh(83, 23.475, 314.525)
contains.

CIELCh(83, 23.114, 314.837)	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, 23.114, 314.837)

Conversions

Conversions Part 1

Format	Color
Hex	E0C6EE
RGB	224, 198, 238
RGB Percent	88%, 78%, 93%
CMY	0.1230, 0.2249, 0.0681
CMYK	0.06, 0.17, 0.00, 0.07
HSL	279°, 54%, 85%
HSV	279°, 17%, 93%
XYZ	66.1155, 62.1629, 89.1155
YIQ	210.3340, 2.6560, 17.9520

Conversions

Conversions Part 2

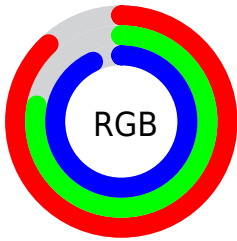
Format	Color
R _Y B	224, 198, 238
Decimal	14730990
CIE Lab	83.00, 16.30, -16.39
CIE LCh	83, 23.114, 314.837
Yxy	62.1629, 0.3041, 0.2859
Android (android.graphics.Color)	4292921070 (0xFFE0C6EE)
YUV	210.3340, 13.6393, 11.9851
Hunter-Lab	78.8435, 11.7080, -11.8241

Details

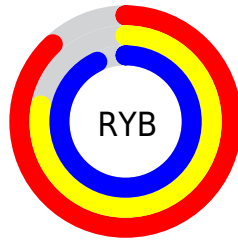
The CIELCh color **83, 23.114, 314.837** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91, 22.759, 133.393**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 23.218, 315.259** is the 20% darker color. If you saturate the color by 10%, you get **77, 37.192, 315.287**, and if you desaturate by 10%, it is **89, 9.273, 314.391**.

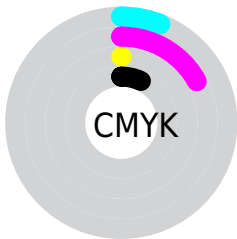
Distribution



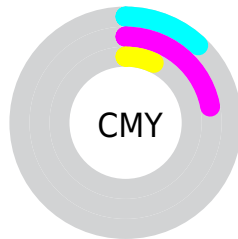
- Red (88%)
- Green (78%)
- Blue (93%)



- Red (88%)
- Yellow (78%)
- Blue (93%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)





- Cyan (12%)
- Magenta (22%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 23.114, 314.837 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, 23.114, 314.837 by changing the saturation by 10% instead.


 83, 23.114,
314.837


 83, 23.114,
314.837


 100, 23.114,
314.837


 73, 23.114,
314.837

 63, 23.114,
314.837

 53, 23.114,
314.837

 43, 23.114,
314.837

 33, 23.114,
314.837

 23, 23.114,
314.837

 13, 23.114,

314.837

■ 3, 23.114, 314.837

■ 0, 23.114, 314.837

■ 83, 23.114,
314.837

■ 83, 23.114,
314.837

■ 77, 37.192,
315.287

■ 89, 9.273, 314.391

■ 70, 51.358,
315.733

■ 96, 4.240, 134.047

■ 64, 65.354,
316.148

■ 99, 9.117, 124.035

■ 100, 8.794,
109.510

■ 59, 78.779,
316.493

■ 54, 91.054,

316.712

■ 49, 101.438,
316.735

■ 46, 109.148,
316.482

■ 43, 113.691,
315.891

■ 43, 114.746,
315.668

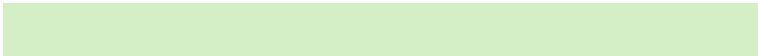
Harmonies

Complementary

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



83, 23.114, 314.837



91, 22.759, 133.393

Rectangle

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



83, 23.114, 314.837



83, 23.114, 4.837



83, 23.114, 134.837



83, 23.114, 184.837

Sweetspot

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



83, 23.112, 314.836



97, 7.178, 314.308



85, 14.098, 270.769



51, 4.901, 314.341



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, 23.112, 314.836



86, 29.185, 314.982



84, 23.177, 329.299



47, 7.796, 314.510



33, 94.466, 315.837



6, 40.058, 316.888

Inverse Universe

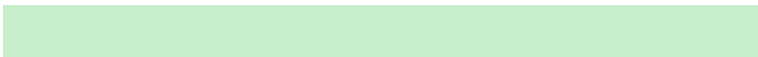
The Inverse Universe completely reimagines the original color for something new.



83, 16.465, 354.218



87, 20.829, 354.590



90, 23.125, 147.200



47, 5.529, 353.423



39, 67.115, 16.442



8, 28.759, 7.072

Previews

White Background



This preview shows how the CIELCh color 83, 23.114, 314.837 looks on a white background.

Color Contrast Check

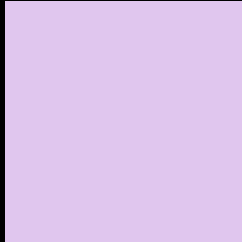
Large Text (above 18pt) WCAG AA × Fail

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, 23.114, 314.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

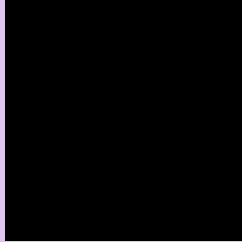
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 23.114, 314.837

Background



This preview shows how black text looks on a background with the CIELCh color 83, 23.114, 314.837.



This preview shows how white text looks on a background with the CIELCh color 83, 23.114, 314.837.

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, 23.114, 314.837

Protanopia

83, 20.132, 287.148

Deuteranopia

83, 18.976, 303.227



Tritanopia
83, 10.937, 329.591

Trichromacy



Original Color
83, 23.114, 314.837

Protanomaly
83, 20.840, 298.474

Deuteranomaly
83, 20.544, 308.392

Tritanomaly
83, 15.259, 320.487

Monochromacy



Original Color
83, 23.114, 314.837

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 8.102, 314.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 23.114, 314.837 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(224, 198, 238)` looks like.

```
.text, #text, p{  
    color:rgb(224, 198, 238)  
}
```

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(224, 198, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 198, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 23.114, 314.837 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(224, 198, 238) }
```

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

```
.border{ border-color:rgb(224, 198, 238) }
```

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

Here you see how a box with a 4 pixel rgb(224, 198, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 198, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 198, 238);  
box-shadow:4px 4px 4px 4px rgb(224, 198,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 23.114, 314.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 198, 238) }
```

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

```
.background{ background-color: rgb(224,  
198, 238) }
```

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