

Converting Colors

CIELCh(85, 23.231, 312.739)

Have a look what the booklet for
CIELCh(85, 23.231, 312.739)
contains.

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Color

CIELCh(85, 23.225, 312.715)

Conversions

Conversions Part 1

Format	Color
Hex	E4CCF5
RGB	228, 204, 245
RGB Percent	89%, 80%, 96%
CMY	0.1074, 0.2015, 0.0407
CMYK	0.07, 0.17, 0.00, 0.04
HSL	275°, 66%, 88%
HSV	275°, 17%, 96%
XYZ	69.7984, 66.0070, 95.1368
YIQ	215.8500, 1.1430, 17.8390

Conversions

Conversions Part 2

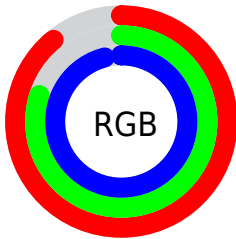
Format	Color
R _Y B	228, 204, 245
Decimal	14994677
CIE Lab	85.00, 15.75, -17.06
CIE LCh	85, 23.225, 312.715
Yxy	66.0070, 0.3022, 0.2858
Android (android.graphics.Color)	4293184757 (0xFFE4CCF5)
YUV	215.8500, 14.3710, 10.6556
Hunter-Lab	81.2447, 11.1735, -12.5568

Details

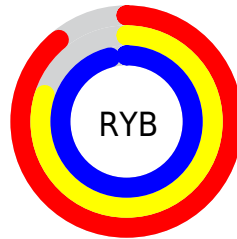
The CIELCh color `85, 23.225, 312.715` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 22.794, 131.262`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 23.192, 312.178` is the 20% darker color. If you saturate the color by 10%, you get `78, 37.494, 313.186`, and if you desaturate by 10%, it is `92, 9.247, 312.257`.

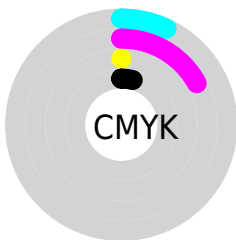
Distribution



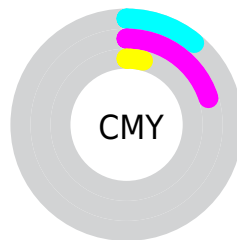
- Red (89%)
- Green (80%)
- Blue (96%)



- Red (89%)
- Yellow (80%)
- Blue (96%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)





- Cyan (11%)
- Magenta (20%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 23.225, 312.715 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 85, 23.225, 312.715 by changing the saturation by 10% instead.


 85, 23.225,
312.715


 85, 23.225,
312.715


 100, 23.225,
312.715


 75, 23.225,
312.715

 65, 23.225,
312.715

 55, 23.225,
312.715

 45, 23.225,
312.715

 35, 23.225,
312.715

 25, 23.225,
312.715

 15, 23.225,

312.715

■ 5, 23.225, 312.715

■ 0, 23.225, 312.715

■ 85, 23.225,
312.715

■ 85, 23.225,
312.715

■ 78, 37.494,
313.186

■ 92, 9.247, 312.257

■ 72, 51.929,
313.664

■ 99, 4.365, 131.901

■ 65, 66.298,
314.123

■ 100, 5.256,
109.770

■ 59, 80.222,
314.521

■ 54, 93.125,

314.798

■ 49, 104.222,
314.873

■ 45, 112.630,
314.652

■ 43, 117.703,
314.053

■ 42, 118.907,
313.817

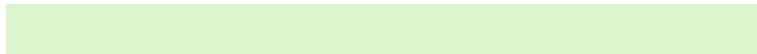
Harmonies

Complementary

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



85, 23.225, 312.715



94, 22.794, 131.262

Rectangle

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



85, 23.225, 312.715



85, 23.225, 2.715



85, 23.225, 132.715



85, 23.225, 182.715

Sweetspot

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



85, 23.223, 312.714



96, 7.066, 312.176



87, 13.613, 266.298



51, 4.824, 312.209



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 23.223, 312.714



86, 28.783, 312.868



86, 24.459, 327.728



48, 7.812, 312.382



31, 96.724, 314.005



6, 41.635, 315.029

Inverse Universe

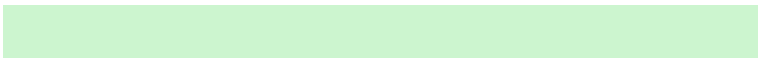
The Inverse Universe completely reimagines the original color for something new.



86, 17.393, 350.076



87, 21.564, 350.433



93, 24.421, 145.696



48, 5.843, 349.327



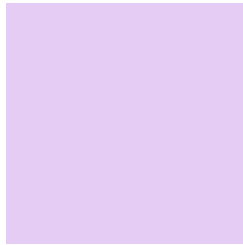
40, 66.802, 10.272



9, 29.709, 2.781

Previews

White Background



This preview shows how the CIELCh color 85, 23.225, 312.715 looks on a white background.

Color Contrast Check

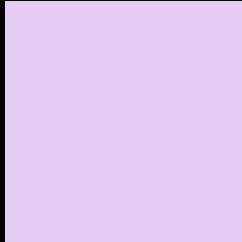
Large Text (above 18pt) WCAG AA × Fail

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 85, 23.225, 312.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

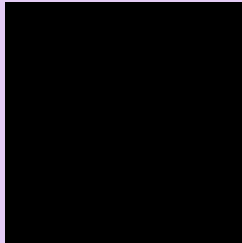
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 23.225, 312.715

Background



This preview shows how black text looks on a background with the CIELCh color 85, 23.225, 312.715.



This preview shows how white text looks on a background with the CIELCh color 85, 23.225, 312.715.

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

85, 23.225, 312.715

Protanopia

85, 20.048, 286.152

Deuteranopia

85, 19.923, 302.647



Tritanopia
85, 10.871, 324.832

Trichromacy



Original Color
85, 23.225, 312.715

Protanomaly
85, 20.655, 296.577

Deuteranomaly
85, 20.757, 306.135

Tritanomaly
85, 14.846, 318.054

Monochromacy



Original Color
85, 23.225, 312.715

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.550, 312.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 23.225, 312.715 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(228, 204, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 204, 245)  
}
```

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(228, 204, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 204, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 23.225, 312.715 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(228, 204, 245) }
```

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

```
.border{ border-color:rgb(228, 204, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 204, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 204, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 204, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 204,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 23.225, 312.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 204, 245) }
```

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

```
.background{ background-color: rgb(228,  
204, 245) }
```

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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