

Converting Colors

CIELCh(86, 47.197, 309.957)

Have a look what the booklet for
CIELCh(86, 47.197, 309.957)
contains.

CIELCh(85, 33.208, 317.302)	3
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Color

CIELCh(85, 33.208, 317.302)

Conversions

Conversions Part 1

Format	Color
Hex	EFC6FF
RGB	239, 198, 255
RGB Percent	94%, 78%, 100%
CMY	0.0625, 0.2232, 0.0000
CMYK	0.06, 0.22, 0.00, 0.00
HSL	283°, 100%, 89%
HSV	283°, 22%, 100%
XYZ	73.8917, 66.0070, 103.5145
YIQ	216.7570, 6.1390, 26.4190

Conversions

Conversions Part 2

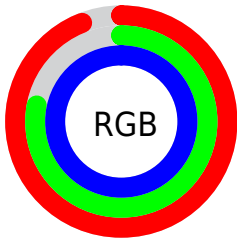
Format	Color
R_{YB}	239, 198, 255
Decimal	15714047
CIE _{Lab}	85.00, 24.41, -22.52
CIE _{LCh}	85, 33.208, 317.302
Yxy	66.0070, 0.3036, 0.2712
Android (android.graphics.Color)	4293904127 (0xFFEFC6FF)
YUV	216.7570, 18.8538, 19.5071
Hunter-Lab	81.2447, 20.1667, -18.6705

Details

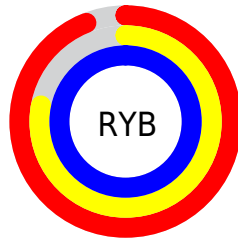
The CIELCh color `85, 33.208, 317.302` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `96, 32.659, 135.319`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 33.114, 317.595` is the 20% darker color. If you saturate the color by 10%, you get `79, 48.292, 317.770`, and if you desaturate by 10%, it is `92, 18.153, 316.884`.

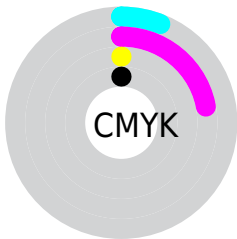
Distribution



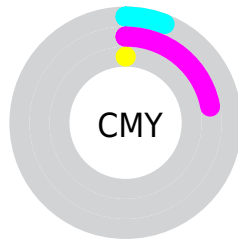
- Red (94%)
- Green (78%)
- Blue (100%)



- Red (94%)
- Yellow (78%)
- Blue (100%)



- Cyan (6%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.208, 317.302 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, 33.208, 317.302 by changing the saturation by 10% instead.


 85, 33.208,
317.302


 85, 33.208,
317.302


 100, 33.208,
317.302


 75, 33.208,
317.302

 65, 33.208,
317.302

 55, 33.208,
317.302

 45, 33.208,
317.302

 35, 33.208,
317.302

 25, 33.208,
317.302

 15, 33.208,

317.302

■ 5, 33.208, 317.302

■ 0, 33.208, 317.302

■ 85, 33.208,
317.302

■ 85, 33.208,
317.302

■ 79, 48.292,
317.770

■ 92, 18.153,
316.884

■ 72, 63.257,
318.183

■ 98, 3.394, 316.402

■ 66, 77.675,
318.537

100, 0.012,
296.813

■ 61, 90.985,
318.787

■ 57, 102.469,

318.878

■ 53, 111.350,
318.744

■ 50, 117.034,
318.329

■ 49, 119.428,
317.831

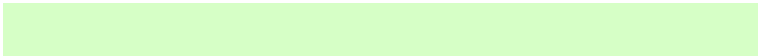
Harmonies

Complementary

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



85, 33.208, 317.302



96, 32.659, 135.319

Rectangle

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



85, 33.208, 317.302



85, 33.208, 7.302



85, 33.208, 137.302



85, 33.208, 187.302

Sweetspot

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



85, 33.171, 317.330



95, 10.256, 316.644



86, 21.911, 278.105



50, 6.668, 316.671



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, 33.171, 317.330



82, 40.242, 317.537



86, 30.764, 332.565



50, 8.351, 316.757



36, 96.108, 317.989



9, 43.958, 319.099

Inverse Universe

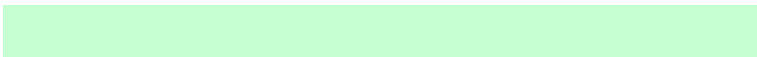
The Inverse Universe completely reimagines the original color for something new.



85, 22.615, 359.723



82, 27.577, 0.339



95, 30.616, 149.490



50, 5.611, 358.231



40, 71.414, 23.065



10, 31.549, 14.121

Previews

White Background



This preview shows how the CIELCh color 85, 33.208, 317.302 looks on a white background.

Color Contrast Check

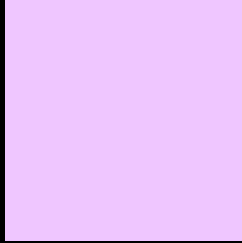
Large Text (above 18pt) WCAG AA × Fail

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, 33.208, 317.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

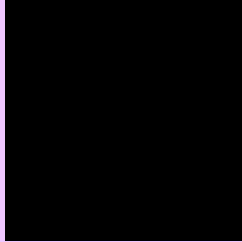
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 33.208, 317.302

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.208, 317.302.

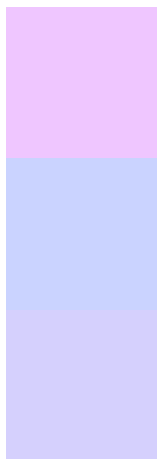


This preview shows how white text looks on a background with the CIELCh color 85, 33.208, 317.302.

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, 33.208, 317.302

Protanopia

85, 23.261, 284.857

Deuteranopia

85, 23.799, 296.162



Tritanopia
85, 13.778, 342.926

Trichromacy



Original Color
85, 33.208, 317.302



Protanomaly
85, 26.070, 298.903



Deuteranomaly
85, 27.150, 305.173

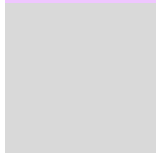


Tritanomaly
85, 20.342, 327.735

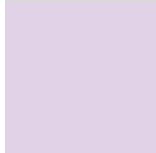
Monochromacy



Original Color
85, 33.208, 317.302



Achromatopsia
87, 0.010, 296.813



Achromatomaly
86, 12.299, 316.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.208, 317.302 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(239, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 198, 255)  
}
```

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(239, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 198, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.208, 317.302 is called "border". The border property can be set on classes, ids or directly on the HTML element.

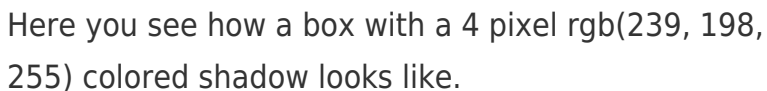
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 198, 255) }
```

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

```
.border{ border-color:rgb(239, 198, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(239, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 198,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.208, 317.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 198, 255) }
```

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

```
.background{ background-color: rgb(239,  
198, 255) }
```

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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