

Converting Colors

CIELCh(85, 45.049, 309.787)

Have a look what the booklet for
CIELCh(85, 45.049, 309.787)
contains.

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Color

CIELCh(84, 33.944, 315.481)

Conversions

Conversions Part 1

Format	Color
Hex	EBC4FF
RGB	235, 196, 255
RGB Percent	92%, 77%, 100%
CMY	0.0802, 0.2330, 0.0018
CMYK	0.08, 0.23, 0.00, 0.00
HSL	280°, 99%, 88%
HSV	280°, 23%, 100%
XYZ	71.7367, 64.0658, 102.8150
YIQ	214.3870, 4.3050, 26.6170

Conversions

Conversions Part 2

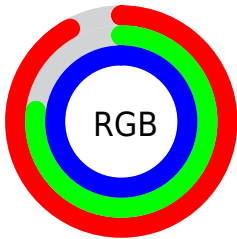
Format	Color
R_{YB}	235, 196, 255
Decimal	15451391
CIE _{Lab}	84.00, 24.20, -23.80
CIE _{LCh}	84, 33.944, 315.481
Yxy	64.0658, 0.3006, 0.2685
Android (android.graphics.Color)	4293641471 (0xFFEBC4FF)
YUV	214.3870, 20.0222, 18.0776
Hunter-Lab	80.0411, 19.9085, -20.1309

Details

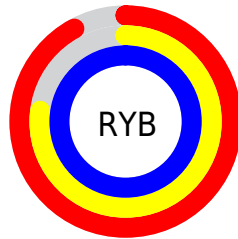
The CIELCh color **84, 33.944, 315.481** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 33.260, 133.428**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.250, 324.238**, and **64, 33.915, 315.684** is the 20% darker color. If you saturate the color by 10%, you get **77, 48.931, 315.929**, and if you desaturate by 10%, it is **91, 19.101, 315.032**.

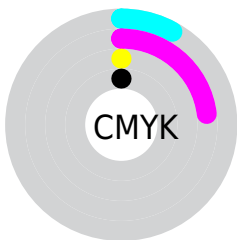
Distribution



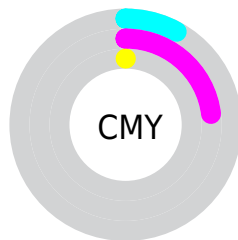
- Red (92%)
- Green (77%)
- Blue (100%)



- Red (92%)
- Yellow (77%)
- Blue (100%)



- Cyan (8%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 33.944, 315.481 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 84, 33.944, 315.481 by changing the saturation by 10% instead.


 84, 33.944,
315.481

 84, 33.944,
315.481


 100, 33.944,
315.481


 74, 33.944,
315.481

 64, 33.944,
315.481

 54, 33.944,
315.481

 44, 33.944,
315.481

 34, 33.944,
315.481

 24, 33.944,
315.481

 14, 33.944,

315.481

■ 4, 33.944, 315.481

■ 0, 33.944, 315.481

■ 84, 33.944,
315.481

■ 84, 33.944,
315.481

■ 77, 48.931,
315.929

■ 91, 19.101,
315.032

■ 71, 63.834,
316.356

■ 98, 4.548, 314.572

■ 65, 78.277,
316.726

100, 0.215,
109.802

■ 59, 91.706,
316.990

■ 55, 103.386,

317.082

■ 51, 112.483,
316.927

■ 48, 118.326,
316.452

■ 46, 120.642,
315.961

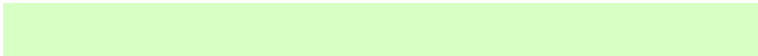
Harmonies

Complementary

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



84, 33.944, 315.481



96, 33.260, 133.428

Rectangle

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



84, 33.944, 315.481



84, 33.944, 5.481



84, 33.944, 135.481



84, 33.944, 185.481

Sweetspot

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



84, 33.942, 315.481



95, 10.099, 314.757



86, 21.002, 273.229



50, 6.566, 314.784



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 33.942, 315.481



81, 41.237, 315.698



86, 33.398, 330.254



49, 8.225, 314.869



34, 97.186, 316.137



8, 44.355, 317.392

Inverse Universe

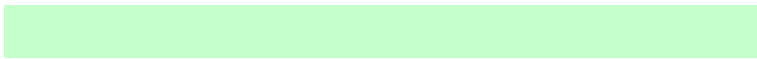
The Inverse Universe completely reimagines the original color for something new.



85, 24.079, 355.712



82, 29.331, 356.333



95, 33.310, 147.206



50, 5.782, 354.159



40, 69.504, 17.659



10, 31.333, 9.864

Previews

White Background



This preview shows how the CIELCh color 84, 33.944, 315.481 looks on a white background.

Color Contrast Check

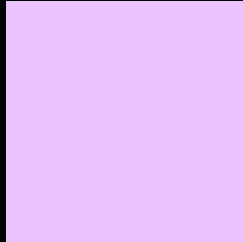
Large Text (above 18pt) WCAG AA × Fail

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 84, 33.944, 315.481 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 84, 33.944, 315.481

Background



This preview shows how black text looks on a background with the CIELCh color 84, 33.944, 315.481.

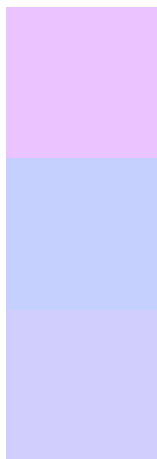


This preview shows how white text looks on a background with the CIELCh color 84, 33.944, 315.481.

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

84, 33.944, 315.481

Protanopia

84, 24.917, 284.792

Deuteranopia

84, 25.415, 295.294



Tritanopia

84, 12.954, 339.859

Trichromacy



Original Color
84, 33.944, 315.481

Protanomaly
84, 27.672, 297.954

Deuteranomaly
84, 28.087, 303.395

Tritanomaly
84, 19.769, 325.166

Monochromacy



Original Color
84, 33.944, 315.481

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 12.662, 314.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 33.944, 315.481 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(235, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 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(235, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 33.944, 315.481 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(235, 196, 255) }
```

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

```
.border{ border-color:rgb(235, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 196,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 33.944, 315.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 255) }
```

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

```
.background{ background-color: rgb(235,  
196, 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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