

Converting Colors

CIELCh(88, 63.997, 306.001)

Have a look what the booklet for
CIELCh(88, 63.997, 306.001)
contains.

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Color

CIELCh(86, 32.225, 318.088)

Conversions

Conversions Part 1

Format	Color
Hex	F2C9FF
RGB	242, 201, 255
RGB Percent	95%, 79%, 100%
CMY	0.0506, 0.2115, 0.0000
CMYK	0.05, 0.21, 0.00, 0.00
HSL	286°, 100%, 89%
HSV	286°, 21%, 100%
XYZ	75.7810, 67.9871, 104.6724
YIQ	219.4150, 7.1020, 25.4860

Conversions

Conversions Part 2

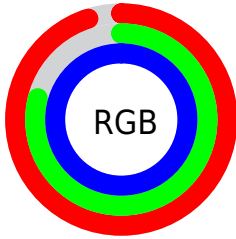
Format	Color
R _Y B	242, 201, 255
Decimal	15911423
CIE _{Lab}	86.00, 23.98, -21.53
CIE _{LCh}	86, 32.225, 318.088
Y _{xy}	67.9871, 0.3050, 0.2737
Android (android.graphics.Color)	4294101503 (0xFFFF2C9FF)
YUV	219.4150, 17.5434, 19.8070
Hunter-Lab	82.4543, 19.7583, -17.5483

Details

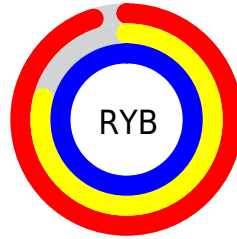
The CIELCh color **86, 32.225, 318.088** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 31.323, 136.605**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 31.411, 318.247** is the 20% darker color. If you saturate the color by 10%, you get **80, 46.923, 318.991**, and if you desaturate by 10%, it is **93, 16.584, 318.097**.

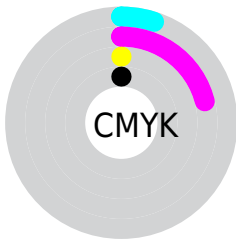
Distribution



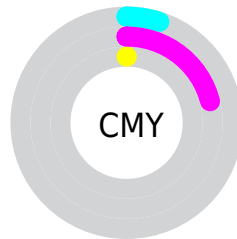
- Red (95%)
- Green (79%)
- Blue (100%)



- Red (95%)
- Yellow (79%)
- Blue (100%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 32.225, 318.088 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 86, 32.225, 318.088 by changing the saturation by 10% instead.


 86, 32.225,
318.088

 86, 32.225,
318.088


 100, 32.225,
318.088


 76, 32.225,
318.088

 66, 32.225,
318.088

 56, 32.225,
318.088

 46, 32.225,
318.088

 36, 32.225,
318.088

 26, 32.225,
318.088

 16, 32.225,

318.088

■ 6, 32.225, 318.088

■ 0, 32.225, 318.088

■ 86, 32.225,
318.088

■ 86, 32.225,
318.088

■ 80, 46.923,
318.991

■ 93, 16.584,
318.097

■ 73, 61.953,
319.406

■ 99, 1.703, 317.538

■ 68, 76.406,
319.763

100, 0.012,
296.813

■ 63, 89.726,
320.023

■ 58, 101.215,

320.136

■ 54, 110.129,
320.046

■ 52, 115.903,
319.702

■ 50, 118.576,
319.195

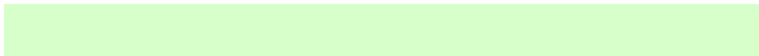
Harmonies

Complementary

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



86, 32.225, 318.088



96, 31.323, 136.605

Rectangle

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



86, 32.225, 318.088



86, 32.225, 8.088



86, 32.225, 138.088



86, 32.225, 188.088

Sweetspot

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



86, 31.711, 318.549



96, 8.880, 317.859



86, 21.565, 280.155



51, 5.894, 317.890



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 31.711, 318.549



83, 37.568, 318.721



87, 28.469, 333.755



50, 8.442, 318.022



38, 95.441, 319.336



9, 43.709, 320.324

Inverse Universe

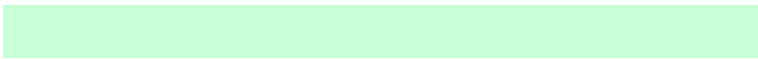
The Inverse Universe completely reimagines the original color for something new.



86, 21.061, 2.517



84, 25.094, 3.018



96, 28.298, 150.779



50, 5.511, 1.163



40, 73.100, 26.521



10, 31.759, 16.626

Previews

White Background



This preview shows how the CIELCh color 86, 32.225, 318.088 looks on a white background.

Color Contrast Check

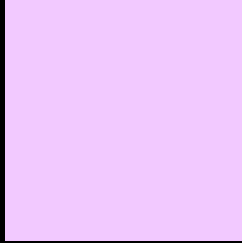
Large Text (above 18pt) WCAG AA × Fail

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 86, 32.225, 318.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

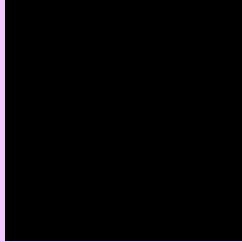
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 32.225, 318.088

Background



This preview shows how black text looks on a background with the CIELCh color 86, 32.225, 318.088.

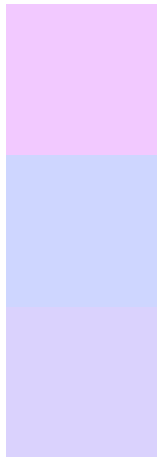


This preview shows how white text looks on a background with the CIELCh color 86, 32.225, 318.088.

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
86, 31.738, 318.501

Protanopia
86, 21.613, 284.975

Deuteranopia
86, 22.817, 298.787



Tritanopia
86, 13.743, 342.912

Trichromacy



Original Color
86, 31.738, 318.501



Protanomaly
86, 24.486, 300.004



Deuteranomaly
86, 25.723, 307.381

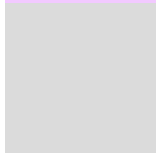


Tritanomaly
86, 19.882, 328.637

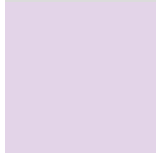
Monochromacy



Original Color
86, 31.738, 318.501



Achromatopsia
87, 0.010, 296.813



Achromatomaly
87, 11.811, 317.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 32.225, 318.088 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(242, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 201, 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(242, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 201, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 32.225, 318.088 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(242, 201, 255) }
```

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

```
.border{ border-color:rgb(242, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 201,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 32.225, 318.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 201, 255) }
```

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

```
.background{ background-color: rgb(242,  
201, 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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