

Converting Colors

CIELCh(87, 29.959, 343.441)

Have a look what the booklet for
CIELCh(87, 29.959, 343.441)
contains.

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Color

CIELCh(86, 27.445, 338.357)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7EB
RGB	255, 199, 235
RGB Percent	100%, 78%, 92%
CMY	0.0007, 0.2202, 0.0791
CMYK	0.00, 0.22, 0.08, 0.00
HSL	321°, 99%, 89%
HSV	321°, 22%, 100%
XYZ	76.5333, 67.9871, 87.5588
YIQ	219.8480, 21.8200, 23.0680

Conversions

Conversions Part 2

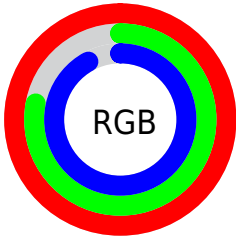
Format	Color
R _Y B	255, 199, 235
Decimal	16762859
CIE Lab	86.00, 25.51, -10.12
CIE LCh	86, 27.445, 338.357
Yxy	67.9871, 0.3298, 0.2929
Android (android.graphics.Color)	4294952939 (0xFFFFC7EB)
YUV	219.8480, 7.4699, 30.8283
Hunter-Lab	82.4543, 21.3870, -5.2424

Details

The CIELCh color $86, 27.445, 338.357$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $95, 27.094, 154.927$, 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 $66, 27.248, 338.796$ is the 20% darker color. If you saturate the color by 10%, you get $80, 39.964, 339.231$, and if you desaturate by 10%, it is $92, 14.860, 337.546$.

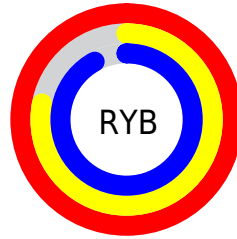
Distribution



Red (100%)

Green (78%)

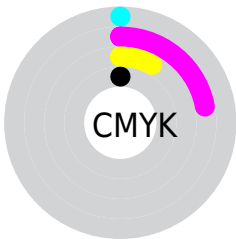
Blue (92%)



Red (100%)

Yellow (78%)

Blue (92%)

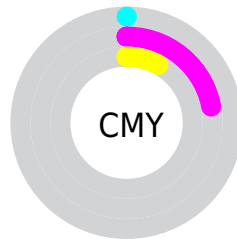


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 27.445, 338.357 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, 27.445, 338.357 by changing the saturation by 10% instead.


 86, 27.445,
338.357


 86, 27.445,
338.357


 100, 27.445,
338.357


 76, 27.445,
338.357

 66, 27.445,
338.357

 56, 27.445,
338.357

 46, 27.445,
338.357

 36, 27.445,
338.357

 26, 27.445,
338.357

 16, 27.445,

338.357

■ 6, 27.445, 338.357

■ 0, 27.445, 338.357

■ 86, 27.445,
338.357

■ 86, 27.445,
338.357

■ 80, 39.964,
339.231

■ 92, 14.860,
337.546

■ 74, 52.103,
340.188

■ 99, 2.429, 336.658

■ 69, 63.406,
341.257

100, 0.059,
210.627

■ 65, 73.293,
342.482

■ 61, 81.122,

343.923

■ 58, 86.338,
345.670

■ 57, 88.690,
347.827

■ 56, 88.872,
349.887

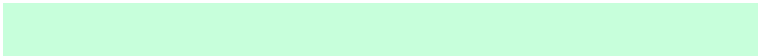
Harmonies

Complementary

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



86, 27.445, 338.357



95, 27.094, 154.927

Rectangle

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



86, 27.445, 338.357



86, 27.445, 28.357



86, 27.445, 158.357



86, 27.445, 208.357

Sweetspot

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



86, 27.442, 338.358



95, 8.658, 337.151



83, 30.458, 304.977



50, 5.628, 337.199



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, 27.442, 338.358



84, 32.528, 338.701



85, 21.411, 9.348



50, 7.047, 337.351



42, 71.854, 349.381



11, 33.886, 346.004

Inverse Universe

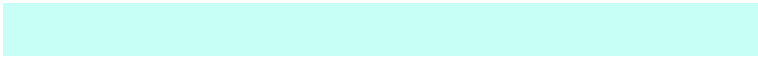
The Inverse Universe completely reimagines the original color for something new.



86, 27.442, 338.358



84, 32.528, 338.701



96, 19.290, 185.261



50, 7.047, 337.351



42, 71.854, 349.381



11, 33.886, 346.004

Previews

White Background



This preview shows how the CIELCh color 86, 27.445, 338.357 looks on a white background.

Color Contrast Check

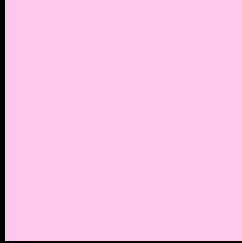
Large Text (above 18pt) WCAG AA × Fail

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, 27.445, 338.357 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, 27.445, 338.357

Background



This preview shows how black text looks on a background with the CIELCh color 86, 27.445, 338.357.



This preview shows how white text looks on a background with the CIELCh color 86, 27.445, 338.357.

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, 27.445, 338.357

Protanopia
86, 15.759, 287.798

Deuteranopia
86, 14.346, 319.000

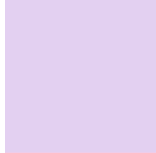


Tritanopia
86, 20.329, 358.439

Trichromacy



Original Color
86, 27.445, 338.357



Protanomaly
86, 18.643, 312.254



Deuteranomaly
86, 19.262, 328.728

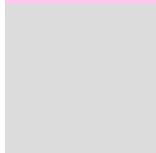


Tritanomaly
86, 22.455, 350.504

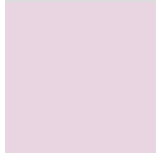
Monochromacy



Original Color
86, 27.445, 338.357



Achromatopsia
88, 0.010, 296.813



Achromatomaly
87, 10.205, 338.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 27.445, 338.357 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(255, 199, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 235)  
}
```

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(255, 199, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 27.445, 338.357 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(255, 199, 235) }
```

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

```
.border{ border-color:rgb(255, 199, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 27.445, 338.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 235) }
```

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

```
.background{ background-color: rgb(255,  
199, 235) }
```

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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