

Converting Colors

CIELCh(87, 28.596, 317.670)

Have a look what the booklet for
CIELCh(87, 28.596, 317.670)
contains.

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Color

CIELCh(87, 28.584, 317.646)

Conversions

Conversions Part 1

Format	Color
Hex	F2CEFF
RGB	242, 206, 255
RGB Percent	95%, 81%, 100%
CMY	0.0523, 0.1934, 0.0013
CMYK	0.05, 0.19, 0.00, 0.00
HSL	284°, 99%, 90%
HSV	284°, 19%, 100%
XYZ	76.4956, 70.0064, 103.8086
YIQ	222.3500, 5.7270, 22.8710

Conversions

Conversions Part 2

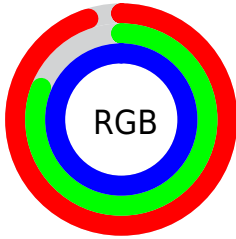
Format	Color
RYB	242, 206, 255
Decimal	15912703
CIELab	87.00, 21.12, -19.26
CIElCh	87, 28.584, 317.646
Yxy	70.0064, 0.3056, 0.2797
Android (android.graphics.Color)	4294102783 (0xFFFF2CEFF)
YUV	222.3500, 16.0965, 17.2331
Hunter-Lab	83.6698, 16.7725, -14.9919

Details

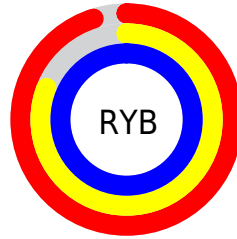
The CIELCh color **87, 28.584, 317.646** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **96, 28.220, 135.923**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 28.249, 317.949** is the 20% darker color. If you saturate the color by 10%, you get **81, 43.712, 318.089**, and if you desaturate by 10%, it is **94, 13.597, 317.197**.

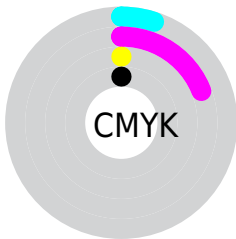
Distribution



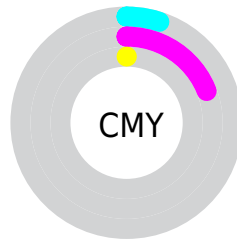
- Red (95%)
- Green (81%)
- Blue (100%)



- Red (95%)
- Yellow (81%)
- Blue (100%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.584, 317.646 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 87, 28.584, 317.646 by changing the saturation by 10% instead.

 87, 28.584,
317.646

 87, 28.584,
317.646

 100, 28.584,
317.646

 77, 28.584,
317.646

 67, 28.584,
317.646

 57, 28.584,
317.646

 47, 28.584,
317.646

 37, 28.584,
317.646

 27, 28.584,
317.646

 17, 28.584,

317.646

■ 7, 28.584, 317.646

■ 0, 28.584, 317.646

■ 87, 28.584,
317.646

■ 87, 28.584,
317.646

■ 81, 43.712,
318.089

■ 94, 13.597,
317.197

■ 74, 58.759,
318.512

100, 0.156,
109.672

■ 68, 73.368,
318.886

■ 63, 87.029,
319.171

■ 58, 99.065,

319.315

■ 54, 108.711,
319.260

■ 51, 115.305,
318.946

■ 49, 118.784,
318.358

■ 49, 118.998,
318.309

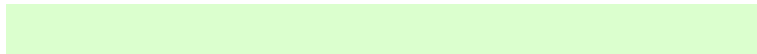
Harmonies

Complementary

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



87, 28.584, 317.646



96, 28.220, 135.923

Rectangle

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



87, 28.584, 317.646



87, 28.584, 7.646



87, 28.584, 137.646



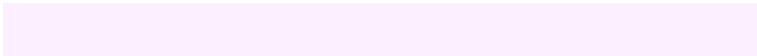
87, 28.584, 187.646

Sweetspot

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



87, 28.581, 317.646



96, 8.816, 317.049



87, 19.165, 278.746



51, 5.852, 317.079



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 28.581, 317.646



85, 34.308, 317.814



88, 26.151, 332.977



50, 8.383, 317.210



37, 95.864, 318.460



9, 43.867, 319.529

Inverse Universe

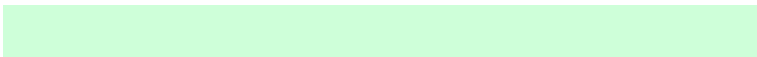
The Inverse Universe completely reimagines the original color for something new.



87, 19.238, 0.374



85, 23.202, 0.845



96, 26.019, 150.341



50, 5.574, 359.261



40, 71.982, 24.320



10, 31.620, 15.049

Previews

White Background



This preview shows how the CIELCh color 87, 28.584, 317.646 looks on a white background.

Color Contrast Check

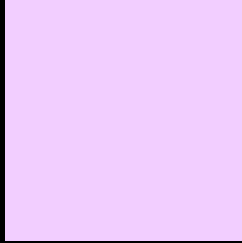
Large Text (above 18pt) WCAG AA × Fail

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 87, 28.584, 317.646 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

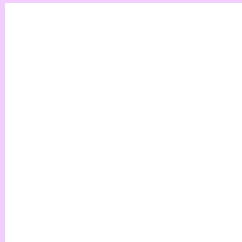
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 28.584, 317.646

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.584, 317.646.

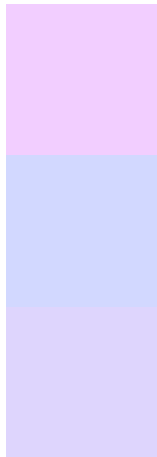


This preview shows how white text looks on a background with the CIELCh color 87, 28.584, 317.646.

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


87, 28.584, 317.646

Protanopia

87, 20.481, 286.305

Deuteranopia

87, 21.249, 300.093



Tritanopia
87, 12.855, 339.823

Trichromacy



Original Color
87, 28.584, 317.646

Protanomaly
87, 22.871, 300.451

Deuteranomaly
87, 24.062, 307.532

Tritanomaly
87, 18.159, 326.983

Monochromacy



Original Color
87, 28.584, 317.646

Achromatopsia
88, 0.011, 296.813

Achromatomaly
88, 10.524, 316.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.584, 317.646 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.584, 317.646 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, 206, 255) }
```

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

```
.border{ border-color:rgb(242, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.584, 317.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 206, 255) }
```

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

```
.background{ background-color: rgb(242,  
206, 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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