

Converting Colors

CIELCh(87, 17.986, 311.787)

Have a look what the booklet for
CIELCh(87, 17.986, 311.787)
contains.

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Color

CIELCh(87, 17.986, 311.787)

Conversions

Conversions Part 1

Format	Color
Hex	E5D3F3
RGB	229, 211, 243
RGB Percent	90%, 83%, 95%
CMY	0.1004, 0.1710, 0.0455
CMYK	0.06, 0.13, 0.00, 0.05
HSL	274°, 58%, 89%
HSV	274°, 13%, 95%
XYZ	72.0746, 70.0064, 94.8310
YIQ	220.0300, 0.4560, 13.7680

Conversions

Conversions Part 2

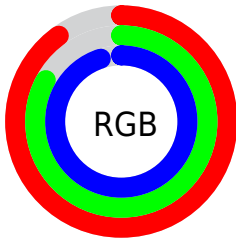
Format	Color
R _Y B	229, 211, 243
Decimal	15062003
CIE Lab	87.00, 11.99, -13.41
CIE LCh	87, 17.986, 311.787
Yxy	70.0064, 0.3042, 0.2955
Android (android.graphics.Color)	4293252083 (0xFFE5D3F3)
YUV	220.0300, 11.3242, 7.8667
Hunter-Lab	83.6698, 7.3407, -8.6301

Details

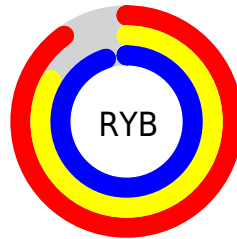
The CIELCh color **87, 17.986, 311.787** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94, 17.702, 130.657**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 18.322, 311.460** is the 20% darker color. If you saturate the color by 10%, you get **80, 32.050, 312.261**, and if you desaturate by 10%, it is **94, 4.256, 311.316**.

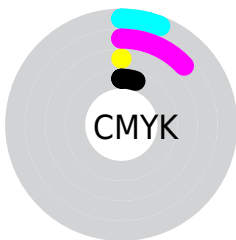
Distribution



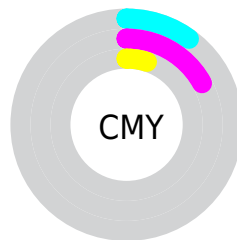
- Red (90%)
- Green (83%)
- Blue (95%)



- Red (90%)
- Yellow (83%)
- Blue (95%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)





- Cyan (10%)
- Magenta (17%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 17.986, 311.787 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, 17.986, 311.787 by changing the saturation by 10% instead.


 87, 17.986,
311.787


 87, 17.986,
311.787


 100, 17.986,
311.787


 77, 17.986,
311.787

 67, 17.986,
311.787

 57, 17.986,
311.787

 47, 17.986,
311.787

 37, 17.986,
311.787

 27, 17.986,
311.787

 17, 17.986,

311.787

■ 7, 17.986, 311.787

■ 0, 17.986, 311.787

■ 87, 17.986,
311.787

■ 87, 17.986,
311.787

■ 80, 32.050,
312.261

■ 94, 4.256, 311.316

■ 74, 46.358,
312.753

■ 99, 6.080, 124.210

■ 67, 60.729,
313.240

■ 100, 5.866,
109.726

■ 61, 74.858,
313.688

■ 55, 88.258,

314.044

■ 50, 100.217,
314.231

■ 46, 109.847,
314.153

■ 43, 116.312,
313.711

■ 41, 119.049,
313.219

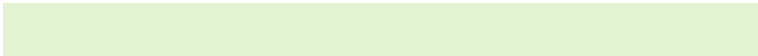
Harmonies

Complementary

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



87, 17.986, 311.787



94, 17.702, 130.657

Rectangle

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



87, 17.986, 311.787



87, 17.986, 1.787



87, 17.986, 131.787



87, 17.986, 181.787

Sweetspot

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



87, 17.984, 311.786



97, 5.617, 311.361



89, 10.289, 262.492



51, 3.995, 311.398



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, 17.984, 311.786



89, 22.807, 311.921



88, 19.534, 326.536



47, 7.772, 311.617



31, 97.194, 313.407



6, 41.609, 314.328

Inverse Universe

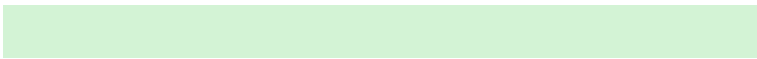
The Inverse Universe completely reimagines the original color for something new.



88, 13.718, 348.322



90, 17.398, 348.616



93, 19.507, 145.006



48, 5.926, 347.958



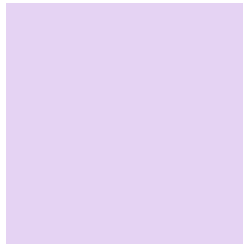
40, 66.667, 8.053



9, 29.805, 0.902

Previews

White Background



This preview shows how the CIELCh color 87, 17.986, 311.787 looks on a white background.

Color Contrast Check

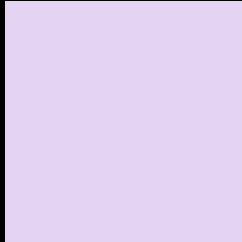
Large Text (above 18pt) WCAG AA × Fail

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, 17.986, 311.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

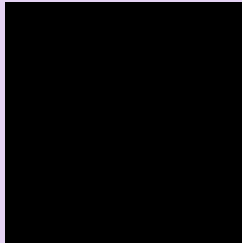
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

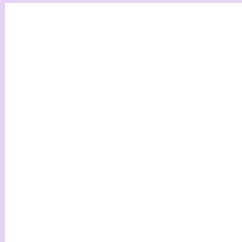
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.986, 311.787

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.986, 311.787.

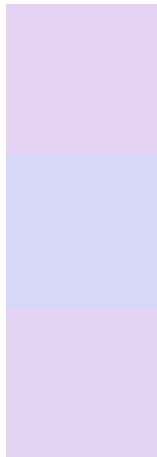


This preview shows how white text looks on a background with the CIELCh color 87, 17.986, 311.787.

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

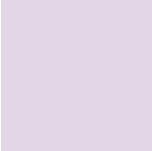
87, 17.986, 311.787

Protanopia

87, 16.253, 287.954

Deuteranopia

87, 17.138, 309.090



Tritanopia
87, 9.616, 319.470

Trichromacy



Original Color
87, 17.986, 311.787

Protanomaly
87, 16.899, 297.346

Deuteranomaly
87, 17.247, 310.197

Tritanomaly
87, 12.740, 315.531

Monochromacy



Original Color
87, 17.986, 311.787

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 6.661, 309.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.986, 311.787 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(229, 211, 243)` looks like.

```
.text, #text, p{  
    color:rgb(229, 211, 243)  
}
```

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(229, 211, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 211, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.986, 311.787 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(229, 211, 243) }
```

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

```
.border{ border-color:rgb(229, 211, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 211, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 211, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 211, 243);  
box-shadow:4px 4px 4px 4px rgb(229, 211,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.986, 311.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 211, 243) }
```

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

```
.background{ background-color: rgb(229,  
211, 243) }
```

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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