

Converting Colors

CIELCh(87, 21.814, 305.760)

Have a look what the booklet for
CIELCh(87, 21.814, 305.760)
contains.

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Color

CIELCh(87, 21.764, 306.342)

Conversions

Conversions Part 1

Format	Color
Hex	E3D3FB
RGB	227, 211, 251
RGB Percent	89%, 83%, 98%
CMY	0.1091, 0.1719, 0.0150
CMYK	0.10, 0.16, 0.00, 0.02
HSL	264°, 84%, 91%
HSV	264°, 16%, 98%
XYZ	72.5080, 70.0064, 101.1010
YIQ	220.3440, -3.3040, 15.8320

Conversions

Conversions Part 2

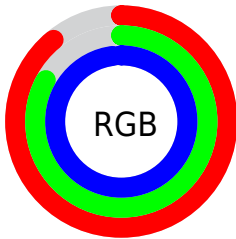
Format	Color
R _Y B	227, 211, 251
Decimal	14930939
CIE Lab	87.00, 12.90, -17.53
CIE LCh	87, 21.764, 306.342
Yxy	70.0064, 0.2976, 0.2874
Android (android.graphics.Color)	4293121019 (0xFFE3D3FB)
YUV	220.3440, 15.1134, 5.8373
Hunter-Lab	83.6698, 8.2654, -13.0732

Details

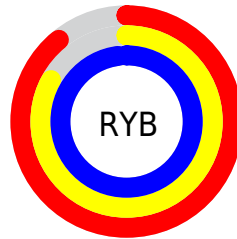
The CIELCh color `87, 21.764, 306.342` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 21.189, 124.705`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 21.801, 306.358` is the 20% darker color. If you saturate the color by 10%, you get `80, 35.984, 306.952`, and if you desaturate by 10%, it is `94, 7.971, 305.784`.

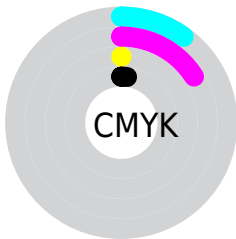
Distribution



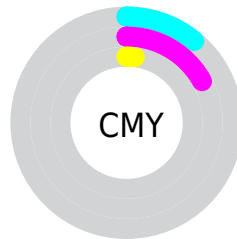
- Red (89%)
- Green (83%)
- Blue (98%)



- Red (89%)
- Yellow (83%)
- Blue (98%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





- Cyan (11%)
- Magenta (17%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.764, 306.342 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, 21.764, 306.342 by changing the saturation by 10% instead.


 87, 21.764,
306.342


 87, 21.764,
306.342


 100, 21.764,
306.342


 77, 21.764,
306.342

 67, 21.764,
306.342

 57, 21.764,
306.342

 47, 21.764,
306.342

 37, 21.764,
306.342

 27, 21.764,
306.342

 17, 21.764,

306.342

■ 7, 21.764, 306.342

■ 0, 21.764, 306.342

■ 87, 21.764,
306.342

■ 87, 21.764,
306.342

■ 80, 35.984,
306.952

■ 94, 7.971, 305.784

■ 72, 50.578,
307.615

100, 1.929,
109.994

■ 65, 65.406,
308.311

■ 58, 80.190,
309.004

■ 52, 94.431,

309.626

■ 46, 107.305,
310.075

■ 42, 117.667,
310.207

■ 38, 124.367,
309.881

■ 37, 126.276,
309.665

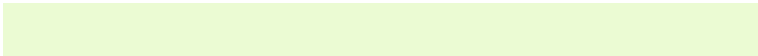
Harmonies

Complementary

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



87, 21.764, 306.342



97, 21.189, 124.705

Rectangle

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



87, 21.764, 306.342



87, 21.764, 356.342



87, 21.764, 126.342



87, 21.764, 176.342

Sweetspot

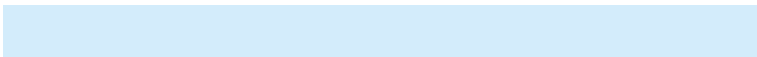
The Sweet Spot groups the original color and five complimentary colors.



87, 21.762, 306.341



96, 6.800, 305.734



92, 11.307, 243.748



51, 4.644, 305.772



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, 21.762, 306.341



86, 26.412, 306.523



89, 24.290, 321.999



48, 7.656, 305.977



27, 101.641, 309.850



5, 43.087, 309.862

Inverse Universe

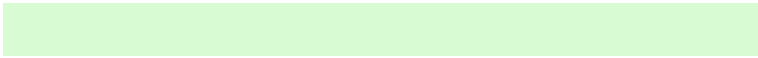
The Inverse Universe completely reimagines the original color for something new.



89, 19.024, 339.855



88, 23.025, 340.121



95, 24.176, 140.398



49, 6.725, 339.316



41, 69.672, 352.944



10, 32.325, 348.742

Previews

White Background



This preview shows how the CIELCh color 87, 21.764, 306.342 looks on a white background.

Color Contrast Check

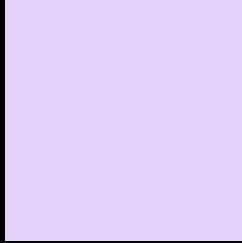
Large Text (above 18pt) WCAG AA × Fail

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, 21.764, 306.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

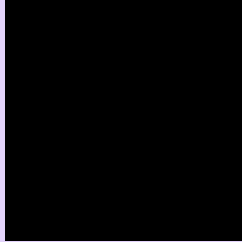
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

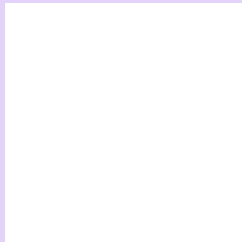
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.764, 306.342

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.764, 306.342.

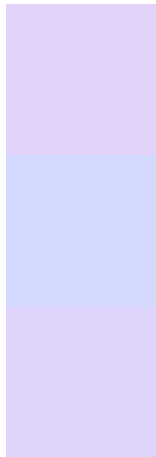


This preview shows how white text looks on a background with the CIELCh color 87, 21.764, 306.342.

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, 21.764, 306.342

Protanopia

87, 19.938, 287.048

Deuteranopia

87, 20.864, 302.127



Tritanopia
87, 9.007, 311.498

Trichromacy



Original Color
87, 21.764, 306.342

Protanomaly
87, 20.495, 294.673

Deuteranomaly
87, 21.000, 303.962

Tritanomaly
87, 13.204, 308.067

Monochromacy



Original Color
87, 21.764, 306.342

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 8.161, 305.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.764, 306.342 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(227, 211, 251)` looks like.

```
.text, #text, p{  
    color:rgb(227, 211, 251)  
}
```

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(227, 211, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 211, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.764, 306.342 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(227, 211, 251) }
```

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

```
.border{ border-color:rgb(227, 211, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 211, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 211, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 211, 251);  
box-shadow:4px 4px 4px 4px rgb(227, 211,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.764, 306.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 211, 251) }
```

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

```
.background{ background-color: rgb(227,  
211, 251) }
```

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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