

Converting Colors

CIELCh(87, 16.910, 306.836)

Have a look what the booklet for
CIELCh(87, 16.910, 306.836)
contains.

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Color

CIELCh(87, 16.924, 306.839)

Conversions

Conversions Part 1

Format	Color
Hex	E2D5F4
RGB	226, 213, 244
RGB Percent	89%, 84%, 96%
CMY	0.1153, 0.1662, 0.0447
CMYK	0.07, 0.13, 0.00, 0.04
HSL	265°, 58%, 89%
HSV	265°, 13%, 96%
XYZ	71.2064, 70.0064, 95.0304
YIQ	220.4210, -2.2030, 12.3970

Conversions

Conversions Part 2

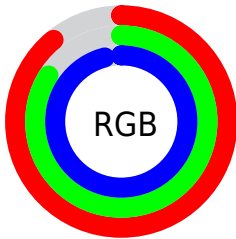
Format	Color
R _Y B	226, 213, 244
Decimal	14865908
CIE Lab	87.00, 10.15, -13.54
CIE LCh	87, 16.924, 306.839
Yxy	70.0064, 0.3014, 0.2963
Android (android.graphics.Color)	4293055988 (0xFFE2D5F4)
YUV	220.4210, 11.6244, 4.8928
Hunter-Lab	83.6698, 5.4885, -8.7715

Details

The CIELCh color `87, 16.924, 306.839` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 16.575, 125.588`, 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, 17.321, 307.492` is the 20% darker color. If you saturate the color by 10%, you get `80, 30.696, 307.410`, and if you desaturate by 10%, it is `94, 3.568, 306.301`.

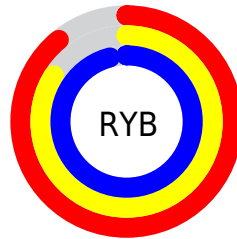
Distribution



Red (89%)

Green (84%)

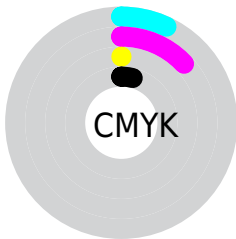
Blue (96%)



Red (89%)

Yellow (84%)

Blue (96%)

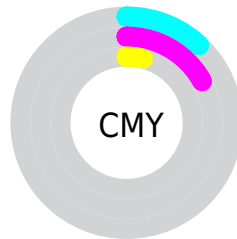


Cyan (7%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (12%)

Magenta (17%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 16.924, 306.839 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, 16.924, 306.839 by changing the saturation by 10% instead.

87, 16.924,
306.839

87, 16.924,
306.839

100, 16.924,
306.839

77, 16.924,
306.839

67, 16.924,
306.839

57, 16.924,
306.839

47, 16.924,
306.839

37, 16.924,
306.839

27, 16.924,
306.839

17, 16.924,

306.839

■ 7, 16.924, 306.839

■ 0, 16.924, 306.839

■ 87, 16.924,
306.839

■ 87, 16.924,
306.839

■ 80, 30.696,
307.410

■ 94, 3.568, 306.301

■ 73, 44.841,
308.032

■ 100, 5.786,
113.595

■ 66, 59.247,
308.689

■ 100, 5.768,
109.733

■ 59, 73.686,
309.350

■ 53, 87.745,

309.959

■ 47, 100.733,
310.428

■ 42, 111.645,
310.632

■ 39, 119.341,
310.427

■ 37, 122.869,
310.033

Harmonies

Complementary

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



87, 16.924, 306.839



94, 16.575, 125.588

Rectangle

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



87, 16.924, 306.839



87, 16.924, 356.839



87, 16.924, 126.839



87, 16.924, 176.839

Sweetspot

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



87, 16.922, 306.837



97, 5.452, 306.373



91, 8.992, 247.484



51, 3.878, 306.414



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, 16.922, 306.837



89, 20.784, 306.965



88, 19.072, 322.801



47, 7.553, 306.663



27, 100.209, 310.214



5, 41.256, 310.010

Inverse Universe

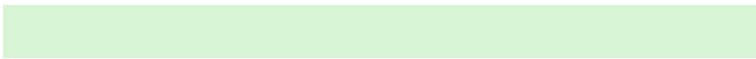
The Inverse Universe completely reimagines the original color for something new.



88, 14.586, 340.518



90, 17.887, 340.717



93, 19.011, 141.501



48, 6.523, 340.243



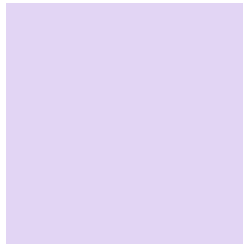
40, 68.426, 354.598



9, 31.210, 349.874

Previews

White Background



This preview shows how the CIELCh color 87, 16.924, 306.839 looks on a white background.

Color Contrast Check

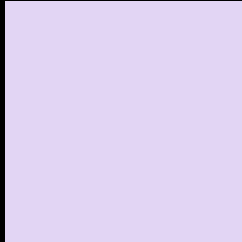
Large Text (above 18pt) WCAG AA × Fail

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, 16.924, 306.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

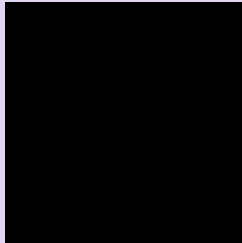
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

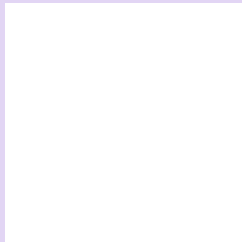
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.924, 306.839

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.924, 306.839.



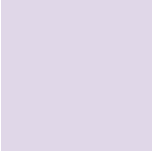
This preview shows how white text looks on a background with the CIELCh color 87, 16.924, 306.839.

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





Tritanopia
87, 9.497, 310.392

Trichromacy



Original Color
87, 16.924, 306.839

Protanomaly
87, 15.777, 295.195

Deuteranomaly
87, 17.536, 307.497

Tritanomaly
87, 12.209, 309.477

Monochromacy



Original Color
87, 16.924, 306.839

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 6.553, 306.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.924, 306.839 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(226, 213, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 213, 244)  
}
```

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(226, 213, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 213, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.924, 306.839 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(226, 213, 244) }
```

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

```
.border{ border-color:rgb(226, 213, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 213, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 213, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 213, 244); box-shadow:4px 4px 4px 4px rgb(226, 213, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.924, 306.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 213, 244) }
```

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

```
.background{ background-color: rgb(226,  
213, 244) }
```

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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