

Converting Colors

CIELCh(87, 19.210, 308.567)

Have a look what the booklet for
CIELCh(87, 19.210, 308.567)
contains.

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Color

CIELCh(87, 18.735, 308.685)

Conversions

Conversions Part 1

Format	Color
Hex	E4D4F6
RGB	228, 212, 246
RGB Percent	89%, 83%, 96%
CMY	0.1071, 0.1698, 0.0366
CMYK	0.07, 0.14, 0.00, 0.04
HSL	268°, 65%, 90%
HSV	268°, 14%, 96%
XYZ	71.9442, 70.0064, 96.6501
YIQ	220.6600, -1.3780, 13.9660

Conversions

Conversions Part 2

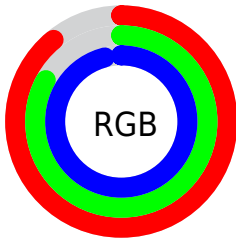
Format	Color
R _Y B	228, 212, 246
Decimal	14996726
CIE Lab	87.00, 11.71, -14.62
CIE LCh	87, 18.735, 308.685
Yxy	70.0064, 0.3015, 0.2934
Android (android.graphics.Color)	4293186806 (0xFFE4D4F6)
YUV	220.6600, 12.4926, 6.4372
Hunter-Lab	83.6698, 7.0625, -9.9192

Details

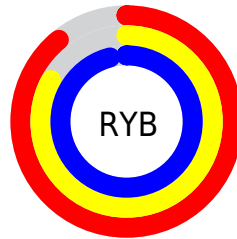
The CIELCh color `87, 18.735, 308.685` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 18.355, 127.398`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 19.125, 308.304` is the 20% darker color. If you saturate the color by 10%, you get `80, 32.737, 309.218`, and if you desaturate by 10%, it is `94, 5.120, 308.181`.

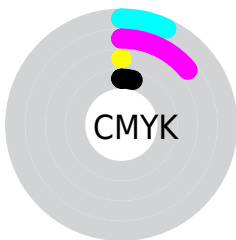
Distribution



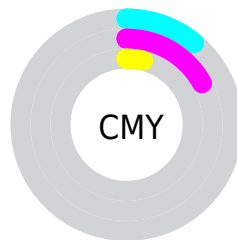
- Red (89%)
- Green (83%)
- Blue (96%)



- Red (89%)
- Yellow (83%)
- Blue (96%)



- Cyan (7%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)





- Cyan (11%)
- Magenta (17%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.735, 308.685 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, 18.735, 308.685 by changing the saturation by 10% instead.


 87, 18.735,
308.685


 87, 18.735,
308.685


 100, 18.735,
308.685


 77, 18.735,
308.685

 67, 18.735,
308.685

 57, 18.735,
308.685

 47, 18.735,
308.685

 37, 18.735,
308.685

 27, 18.735,
308.685

 17, 18.735,

308.685

■ 7, 18.735, 308.685

■ 0, 18.735, 308.685

■ 87, 18.735,
308.685

■ 87, 18.735,
308.685

■ 80, 32.737,
309.218

■ 94, 5.120, 308.181

■ 73, 47.063,
309.787

■ 100, 4.744,
115.371

■ 66, 61.564,
310.372

■ 100, 4.715,
109.809

■ 60, 75.970,
310.940

■ 53, 89.814,

311.432

■ 48, 102.363,
311.760

■ 43, 112.622,
311.806

■ 40, 119.574,
311.446

■ 38, 122.328,
311.049

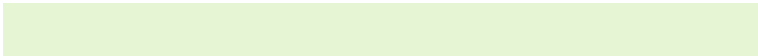
Harmonies

Complementary

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



87, 18.735, 308.685



95, 18.355, 127.398

Rectangle

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



87, 18.735, 308.685



87, 18.735, 358.685



87, 18.735, 128.685



87, 18.735, 178.685

Sweetspot

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



87, 18.733, 308.683



97, 5.506, 308.190



90, 10.152, 253.594



51, 3.917, 308.228



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, 18.733, 308.683



88, 23.836, 308.850



88, 21.212, 324.271



47, 7.625, 308.463



28, 99.135, 311.242



5, 41.412, 311.530

Inverse Universe

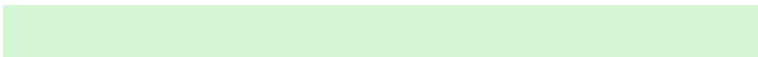
The Inverse Universe completely reimagines the original color for something new.



88, 15.443, 343.224



89, 19.618, 343.520



94, 21.172, 142.751



48, 6.296, 342.830



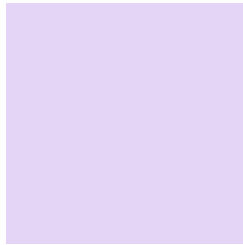
40, 67.301, 359.250



9, 30.559, 353.636

Previews

White Background



This preview shows how the CIELCh color 87, 18.735, 308.685 looks on a white background.

Color Contrast Check

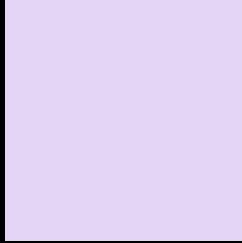
Large Text (above 18pt) WCAG AA × Fail

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, 18.735, 308.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

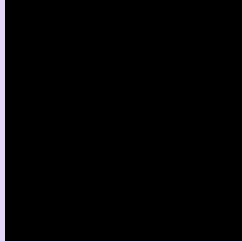
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

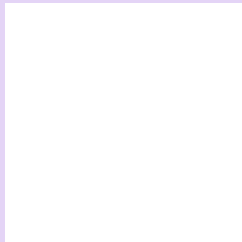
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.735, 308.685

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.735, 308.685.

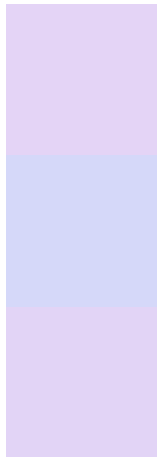


This preview shows how white text looks on a background with the CIELCh color 87, 18.735, 308.685.

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](#).

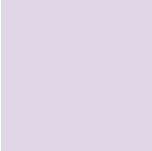
Dichromacy



Original Color
87, 18.735, 308.685

Protanopia
87, 17.297, 288.267

Deuteranopia
87, 18.543, 306.634



Tritanopia
87, 9.769, 314.320

Trichromacy



Original Color
87, 18.735, 308.685

Protanomaly
87, 17.909, 295.990

Deuteranomaly
87, 18.636, 307.664

Tritanomaly
87, 12.949, 311.719

Monochromacy



Original Color
87, 18.735, 308.685

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, 18.735, 308.685 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(228, 212, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 212, 246)  
}
```

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(228, 212, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 212, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.735, 308.685 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(228, 212, 246) }
```

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

```
.border{ border-color:rgb(228, 212, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 212, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 212, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 212, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 212,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.735, 308.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 212, 246) }
```

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

```
.background{ background-color: rgb(228,  
212, 246) }
```

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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