

Converting Colors

CIELCh(87, 15.753, 309.836)

Have a look what the booklet for
CIELCh(87, 15.753, 309.836)
contains.

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Color

CIELCh(87, 15.527, 309.589)

Conversions

Conversions Part 1

Format	Color
Hex	E3D5F1
RGB	227, 213, 241
RGB Percent	89%, 84%, 95%
CMY	0.1112, 0.1661, 0.0564
CMYK	0.06, 0.12, 0.00, 0.06
HSL	270°, 49%, 89%
HSV	270°, 12%, 94%
XYZ	71.0879, 70.0064, 92.6946
YIQ	220.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

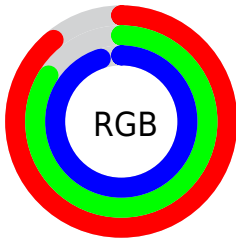
Format	Color
R_{YB}	227, 213, 241
Decimal	14931441
CIE Lab	87.00, 9.89, -11.97
CIE LCh	87, 15.527, 309.589
Yxy	70.0064, 0.3041, 0.2994
Android (android.graphics.Color)	4293121521 (0xFFE3D5F1)
YUV	220.3780, 10.1666, 5.8075
Hunter-Lab	83.6698, 5.2357, -7.1162

Details

The CIELCh color $87, 15.527, 309.589$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93, 15.273, 128.554$, 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 $67, 15.852, 310.356$ is the 20% darker color. If you saturate the color by 10%, you get $80, 29.274, 310.092$, and if you desaturate by 10%, it is $94, 2.154, 309.074$.

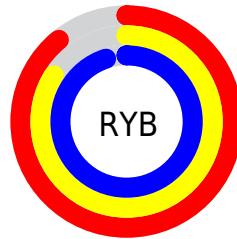
Distribution



Red (89%)

Green (84%)

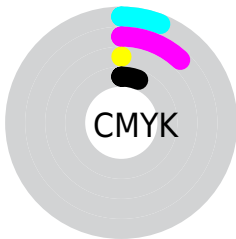
Blue (95%)



Red (89%)

Yellow (84%)

Blue (95%)

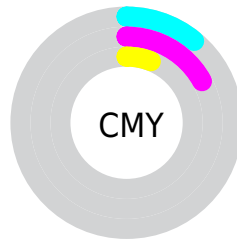


Cyan (6%)

Magenta (12%)

Yellow (0%)

Black (6%)



Cyan (11%)


Magenta (17%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 15.527, 309.589 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, 15.527, 309.589 by changing the saturation by 10% instead.


 87, 15.527,
309.589


 87, 15.527,
309.589


 100, 15.527,
309.589


 77, 15.527,
309.589

 67, 15.527,
309.589

 57, 15.527,
309.589

 47, 15.527,
309.589

 37, 15.527,
309.589

 27, 15.527,
309.589

 17, 15.527,

309.589

■ 7, 15.527, 309.589

■ 0, 15.527, 309.589

■ 87, 15.527,
309.589

■ 87, 15.527,
309.589

■ 80, 29.274,
310.092

■ 94, 2.154, 309.074

■ 73, 43.335,
310.627

■ 99, 7.453, 121.457

■ 67, 57.574,
311.176

■ 100, 7.274,
109.623

■ 60, 71.741,
311.708

■ 54, 85.417,

312.172

■ 49, 97.940,
312.489

■ 44, 108.404,
312.554

■ 41, 115.833,
312.248

■ 38, 119.639,
311.708

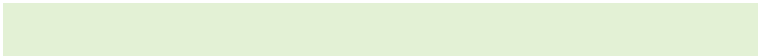
Harmonies

Complementary

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



87, 15.527, 309.589



93, 15.273, 128.554

Rectangle

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



87, 15.527, 309.589



87, 15.527, 359.589



87, 15.527, 129.589



87, 15.527, 179.589

Sweetspot

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



87, 15.525, 309.587



98, 4.151, 309.164



90, 8.513, 255.173



52, 3.149, 309.207



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, 15.525, 309.587



90, 19.653, 309.706



88, 17.606, 324.610



46, 7.538, 309.482



29, 97.495, 311.901



5, 39.632, 312.064

Inverse Universe

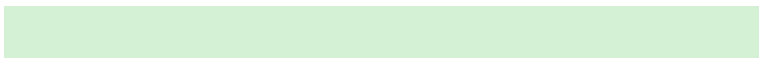
The Inverse Universe completely reimagines the original color for something new.



88, 12.489, 344.600



91, 15.800, 344.827



92, 17.578, 143.329



47, 6.067, 344.399



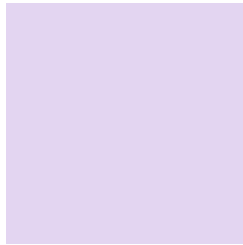
39, 66.220, 1.972



8, 29.445, 355.557

Previews

White Background



This preview shows how the CIELCh color 87, 15.527, 309.589 looks on a white background.

Color Contrast Check

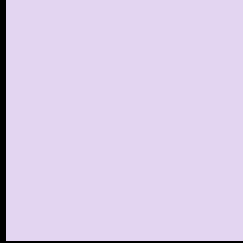
Large Text (above 18pt) WCAG AA × Fail

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, 15.527, 309.589 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

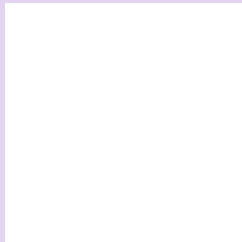
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 15.527, 309.589

Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.527, 309.589.

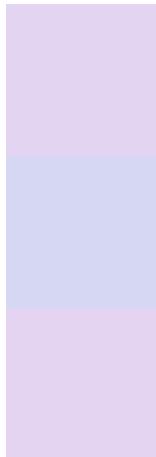


This preview shows how white text looks on a background with the CIELCh color 87, 15.527, 309.589.

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

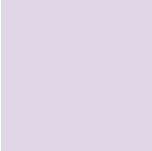
87, 15.527, 309.589

Protanopia

87, 14.152, 288.595

Deuteranopia

87, 16.387, 312.527



Tritanopia
87, 9.769, 314.320

Trichromacy



Original Color
87, 15.527, 309.589

Protanomaly
87, 14.244, 296.882

Deuteranomaly
87, 16.263, 311.371

Tritanomaly
87, 11.837, 311.891

Monochromacy



Original Color
87, 15.527, 309.589

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 6.051, 307.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 15.527, 309.589 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, 213, 241)` looks like.

```
.text, #text, p{  
    color:rgb(227, 213, 241)  
}
```

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, 213, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 213, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 15.527, 309.589 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, 213, 241) }
```

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

```
.border{ border-color:rgb(227, 213, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 213, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 213, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 213, 241);  
box-shadow:4px 4px 4px 4px rgb(227, 213,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 15.527, 309.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 213, 241) }
```

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

```
.background{ background-color: rgb(227,  
213, 241) }
```

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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