

Converting Colors

CIELCh(87, 13.490, 314.533)

Have a look what the booklet for
CIELCh(87, 13.490, 314.533)
contains.

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Color

CIELCh(87, 13.216, 314.593)

Conversions

Conversions Part 1

Format	Color
Hex	E4D5EC
RGB	228, 213, 236
RGB Percent	89%, 84%, 93%
CMY	0.1066, 0.1654, 0.0752
CMYK	0.03, 0.10, 0.00, 0.08
HSL	279°, 37%, 88%
HSV	279°, 10%, 92%
XYZ	70.7986, 70.0064, 88.9974
YIQ	220.1070, 1.5570, 10.3330

Conversions

Conversions Part 2

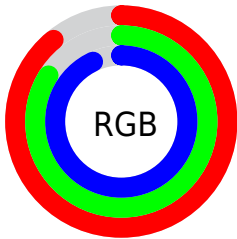
Format	Color
R _Y B	228, 213, 236
Decimal	14996972
CIE Lab	87.00, 9.28, -9.41
CIE LCh	87, 13.216, 314.593
Yxy	70.0064, 0.3081, 0.3046
Android (android.graphics.Color)	4293187052 (0xFFE4D5EC)
YUV	220.1070, 7.8352, 6.9222
Hunter-Lab	83.6698, 4.6185, -4.4963

Details

The CIELCh color **87, 13.216, 314.593** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 13.087, 133.798**, 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, 13.430, 315.649** is the 20% darker color. If you saturate the color by 10%, you get **81, 27.054, 315.037**, and if you desaturate by 10%, it is **93, 0.323, 134.772**.

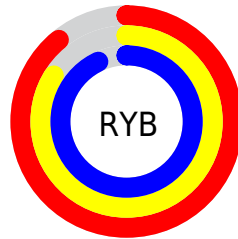
Distribution



Red (89%)

Green (84%)

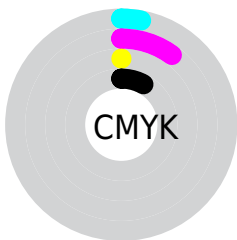
Blue (93%)



Red (89%)

Yellow (84%)

Blue (93%)

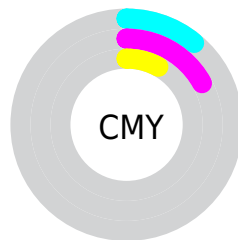


Cyan (3%)

Magenta (10%)

Yellow (0%)

Black (8%)



Cyan (11%)


Magenta (17%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.216, 314.593 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, 13.216, 314.593 by changing the saturation by 10% instead.


 87, 13.216,
314.593


 87, 13.216,
314.593


 100, 13.216,
314.593


 77, 13.216,
314.593

 67, 13.216,
314.593

 57, 13.216,
314.593

 47, 13.216,
314.593

 37, 13.216,
314.593

 27, 13.216,
314.593

 17, 13.216,

314.593

■ 7, 13.216, 314.593

■ 0, 13.216, 314.593

■ 87, 13.216,
314.593

■ 87, 13.216,
314.593

■ 81, 27.054,
315.037

■ 93, 0.323, 134.772

■ 74, 41.096,
315.487

■ 99, 10.497,
130.888

■ 68, 55.159,
315.926

■ 99, 9.765, 114.859

■ 62, 68.949,
316.325

■ 100, 9.711,
109.442

■ 57, 82.020,

316.638

■ 52, 93.744,
316.807

■ 48, 103.354,
316.757

■ 45, 110.115,
316.411

■ 43, 113.948,
315.754

Harmonies

Complementary

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



87, 13.216, 314.593



92, 13.087, 133.798

Rectangle

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



87, 13.216, 314.593



87, 13.216, 4.593



87, 13.216, 134.593



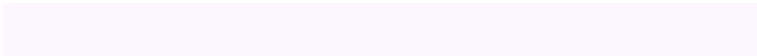
87, 13.216, 184.593

Sweetspot

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



87, 13.214, 314.591



98, 4.303, 314.276



88, 8.236, 271.098



52, 3.263, 314.319



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, 13.214, 314.591



92, 17.372, 314.693



88, 13.146, 329.403



46, 7.664, 314.579



32, 93.443, 315.912



6, 38.350, 316.747

Inverse Universe

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



87, 9.356, 353.593



92, 12.319, 353.838



91, 13.114, 148.249



46, 5.425, 353.563



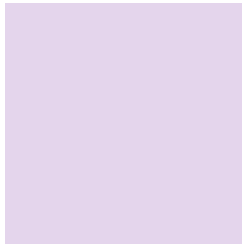
38, 66.455, 16.585



7, 27.829, 6.426

Previews

White Background



This preview shows how the CIELCh color 87, 13.216, 314.593 looks on a white background.

Color Contrast Check

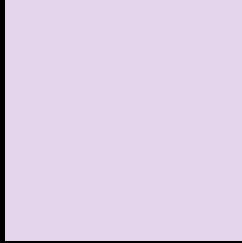
Large Text (above 18pt) WCAG AA × Fail

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, 13.216, 314.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

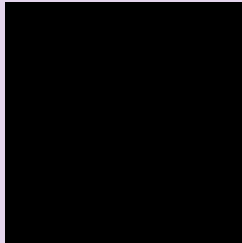
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

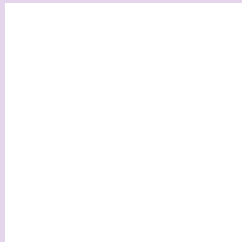
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.216, 314.593

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.216, 314.593.



This preview shows how white text looks on a background with the CIELCh color 87, 13.216, 314.593.

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, 10.076, 318.040

Trichromacy



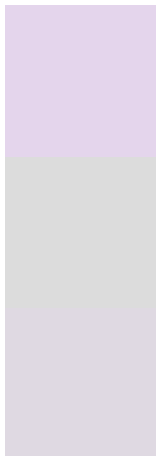
Original Color
87, 13.216, 314.593

Protanomaly
87, 11.692, 299.672

Deuteranomaly
87, 14.148, 317.715

Tritanomaly
87, 11.013, 315.554

Monochromacy



Original Color
87, 13.216, 314.593

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 5.201, 314.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.216, 314.593 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, 213, 236)` looks like.

```
.text, #text, p{  
    color:rgb(228, 213, 236)  
}
```

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, 213, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 213, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.216, 314.593 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, 213, 236) }
```

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

```
.border{ border-color:rgb(228, 213, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 213, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 213, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 213, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 213,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.216, 314.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 213, 236) }
```

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

```
.background{ background-color: rgb(228,  
213, 236) }
```

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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