

Converting Colors

CIELCh(87, 9.631, 312.382)

Have a look what the booklet for
CIELCh(87, 9.631, 312.382) contains.

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Color

CIELCh(87, 9.631, 312.382)

Conversions

Conversions Part 1

Format	Color
Hex	E0D6E7
RGB	224, 214, 231
RGB Percent	88%, 84%, 91%
CMY	0.1199, 0.1592, 0.0925
CMYK	0.03, 0.07, 0.00, 0.09
HSL	275°, 26%, 87%
HSV	275°, 7%, 91%
XYZ	69.5008, 70.0064, 85.7577
YIQ	218.9280, 0.5030, 7.4070

Conversions

Conversions Part 2

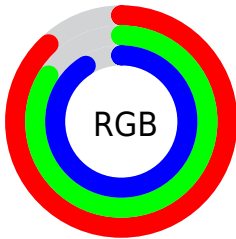
Format	Color
R _Y B	224, 214, 231
Decimal	14735079
CIE Lab	87.00, 6.49, -7.11
CIE LCh	87, 9.631, 312.382
Yxy	70.0064, 0.3085, 0.3108
Android (android.graphics.Color)	4292925159 (0xFFE0D6E7)
YUV	218.9280, 5.9515, 4.4481
Hunter-Lab	83.6698, 1.8498, -2.2006

Details

The CIELCh color `87, 9.631, 312.382` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 9.537, 131.796`, 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, 9.650, 313.672` is the 20% darker color. If you saturate the color by 10%, you get `81, 23.015, 312.834`, and if you desaturate by 10%, it is `94, 3.415, 132.030`.

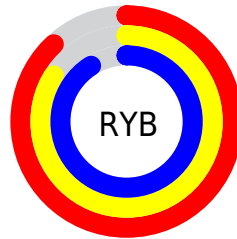
Distribution



Red (88%)

Green (84%)

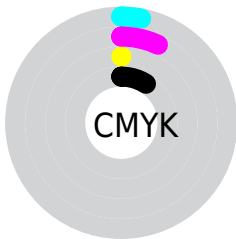
Blue (91%)



Red (88%)

Yellow (84%)

Blue (91%)

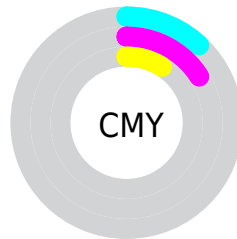


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (12%)

Magenta (16%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.631, 312.382 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, 9.631, 312.382 by changing the saturation by 10% instead.

87, 9.631, 312.382

87, 9.631, 312.382

100, 9.631,
312.382

77, 9.631, 312.382

67, 9.631, 312.382

57, 9.631, 312.382

47, 9.631, 312.382

37, 9.631, 312.382

27, 9.631, 312.382

17, 9.631, 312.382

7, 9.631, 312.382

0, 9.631, 312.382

87, 9.631, 312.382

87, 9.631, 312.382

81, 23.015,
312.834

94, 3.415, 132.030

74, 36.676,
313.304

99, 12.691,
128.267

68, 50.482,
313.779

99, 11.967,
112.727

62, 64.207,
314.232

99, 11.937,
109.275

56, 77.480,
314.622

51, 89.748,
314.889

46, 100.257,
314.952

43, 108.171,
314.717

■ 40,112.937,
314.113

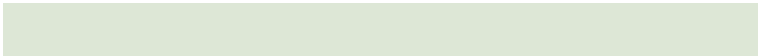
Harmonies

Complementary

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



87, 9.631, 312.382



91, 9.537, 131.796

Rectangle

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



87, 9.631, 312.382



87, 9.631, 2.382



87, 9.631, 132.382



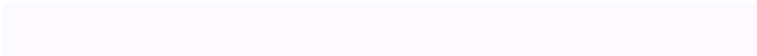
87, 9.631, 182.382

Sweetspot

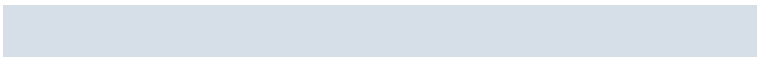
The Sweet Spot groups the original color and five complimentary colors.



87, 9.629, 312.379



99, 2.823, 312.109



88, 5.699, 264.901



53, 1.605, 312.102



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, 9.629, 312.379



94, 12.788, 312.456



88, 10.205, 327.163



45, 7.413, 312.474



30, 93.674, 314.115



5, 36.156, 314.178

Inverse Universe

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



87, 7.180, 349.282



94, 9.540, 349.455



90, 10.182, 146.363



45, 5.531, 349.496



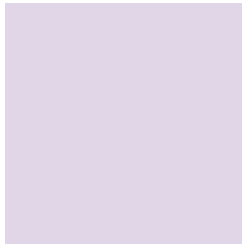
38, 64.761, 10.380



7, 26.966, 1.473

Previews

White Background



This preview shows how the CIELCh color 87, 9.631, 312.382 looks on a white background.

Color Contrast Check

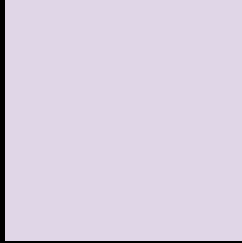
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 9.631, 312.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

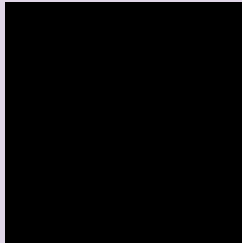
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

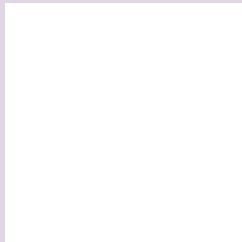
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.631, 312.382

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.631, 312.382.

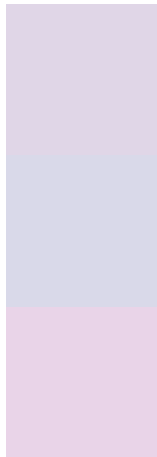


This preview shows how white text looks on a background with the CIELCh color 87, 9.631, 312.382.

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

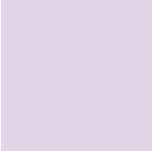
87, 9.631, 312.382

Protanopia

87, 8.381, 290.882

Deuteranopia

87, 12.915, 326.224



Tritanopia
87, 9.631, 312.382

Trichromacy



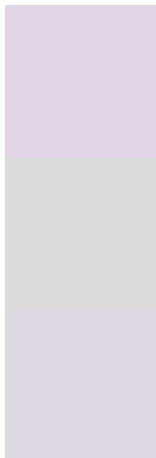
Original Color
87, 9.631, 312.382

Protanomaly
87, 8.523, 300.348

Deuteranomaly
87, 11.690, 321.940

Tritanomaly
87, 9.631, 312.382

Monochromacy



Original Color
87, 9.631, 312.382

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.956, 311.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.631, 312.382 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(224, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(224, 214, 231)  
}
```

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(224, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 214, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.631, 312.382 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(224, 214, 231) }
```

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

```
.border{ border-color:rgb(224, 214, 231) }
```

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

Here you see how a box with a 4 pixel rgb(224, 214, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 214,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.631, 312.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 214, 231) }
```

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

```
.background{ background-color: rgb(224,  
214, 231) }
```

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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