

Converting Colors

CIELCh(87, 9.613, 318.963)

Have a look what the booklet for
CIELCh(87, 9.613, 318.963) contains.

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Color

CIELCh(87, 9.616, 319.470)

Conversions

Conversions Part 1

Format	Color
Hex	E3D6E6
RGB	227, 214, 230
RGB Percent	89%, 84%, 90%
CMY	0.1105, 0.1615, 0.0987
CMYK	0.01, 0.07, 0.00, 0.10
HSL	289°, 24%, 87%
HSV	289°, 7%, 90%
XYZ	69.8796, 70.0064, 84.5582
YIQ	219.7110, 2.6120, 7.7320

Conversions

Conversions Part 2

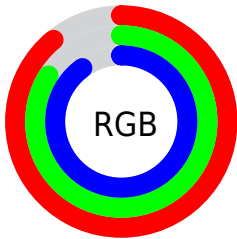
Format	Color
R_{YB}	227, 214, 230
Decimal	14931686
CIE _{Lab}	87.00, 7.31, -6.25
CIE _{LCh}	87, 9.616, 319.470
Y _{xy}	70.0064, 0.3113, 0.3119
Android (android.graphics.Color)	4293121766 (0xFFE3D6E6)
Y _{UV}	219.7110, 5.0725, 6.3925
Hunter-Lab	83.6698, 2.6579, -1.3506

Details

The CIELCh color `87, 9.616, 319.470` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 9.567, 138.886`, 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, 10.138, 319.566` is the 20% darker color. If you saturate the color by 10%, you get `81, 23.615, 319.936`, and if you desaturate by 10%, it is `93, 4.141, 139.109`.

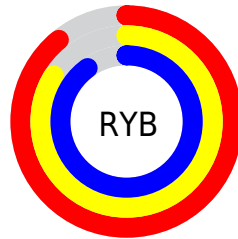
Distribution



Red (89%)

Green (84%)

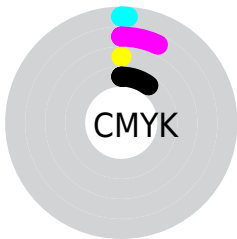
Blue (90%)



Red (89%)

Yellow (84%)

Blue (90%)

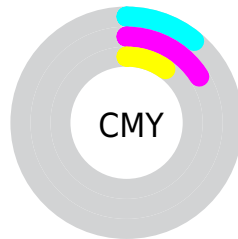


Cyan (1%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (11%)

Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.616, 319.470 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, 9.616, 319.470 by changing the saturation by 10% instead.

■ 87, 9.616, 319.470

■ 87, 9.616, 319.470

■ 100, 9.616,
319.470

■ 77, 9.616, 319.470

■ 67, 9.616, 319.470

■ 57, 9.616, 319.470

■ 47, 9.616, 319.470

■ 37, 9.616, 319.470

■ 27, 9.616, 319.470

■ 17, 9.616, 319.470

■ 7, 9.616, 319.470

■ 0, 9.616, 319.470

87, 9.616, 319.470

87, 9.616, 319.470

81, 23.615,
319.936

93, 4.141, 139.109

75, 37.726,
320.391

98, 14.639,
137.677

70, 51.728,
320.825

98, 13.947,
132.263

64, 65.290,
321.214

99, 13.392,
126.286

60, 77.951,
321.526

99, 12.997,
119.816

55, 89.127,
321.722

99, 12.781,
112.981

52, 98.167,
321.757

99, 12.744,
109.214

49, 104.514,
321.589

■ 48,107.970,
321.194

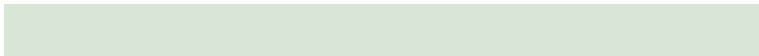
Harmonies

Complementary

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



87, 9.616, 319.470



90, 9.567, 138.886

Rectangle

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



87, 9.616, 319.470



87, 9.616, 9.470



87, 9.616, 139.470



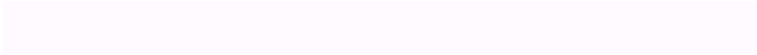
87, 9.616, 189.470

Sweetspot

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



87, 9.614, 319.469



99, 2.998, 319.188



87, 6.779, 281.247



53, 1.705, 319.179



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, 9.614, 319.469



95, 12.035, 319.521



87, 8.241, 334.715



45, 7.854, 319.588



36, 89.946, 321.161



6, 37.131, 321.988

Inverse Universe

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



87, 6.040, 4.750



95, 7.576, 4.868



90, 8.203, 153.848



45, 4.957, 5.021



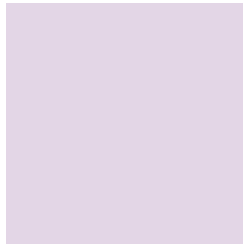
37, 71.599, 30.227



7, 26.679, 13.939

Previews

White Background



This preview shows how the CIELCh color 87, 9.616, 319.470 looks on a white background.

Color Contrast Check

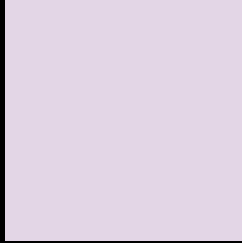
Large Text (above 18pt) WCAG AA × Fail

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, 9.616, 319.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

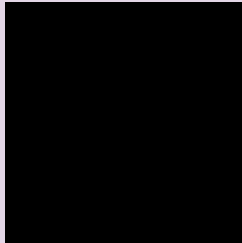
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

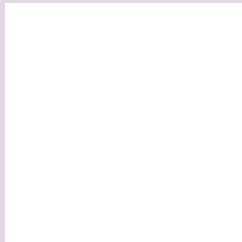
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.616, 319.470

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.616, 319.470.



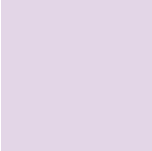
This preview shows how white text looks on a background with the CIELCh color 87, 9.616, 319.470.

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



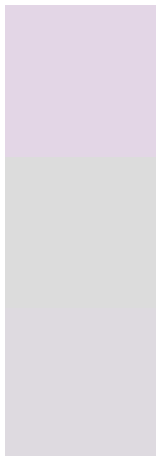
Original Color
87, 9.616, 319.470

Protanomaly
87, 8.080, 303.399

Deuteranomaly
87, 11.659, 326.320

Tritanomaly
87, 10.076, 318.040

Monochromacy



Original Color
87, 9.616, 319.470

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.471, 314.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.616, 319.470 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, 214, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 230)  
}
```

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, 214, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.616, 319.470 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, 214, 230) }
```

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

```
.border{ border-color:rgb(227, 214, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.616, 319.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 230) }
```

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

```
.background{ background-color: rgb(227,  
214, 230) }
```

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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