

Converting Colors

CIELCh(87, 9.721, 71.961)

Have a look what the booklet for
CIELCh(87, 9.721, 71.961) contains.

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Color

CIELCh(87, 9.439, 70.150)

Conversions

Conversions Part 1

Format	Color
Hex	E7D7C9
RGB	231, 215, 201
RGB Percent	91%, 84%, 79%
CMY	0.0930, 0.1558, 0.2107
CMYK	0.00, 0.07, 0.13, 0.09
HSL	28°, 39%, 85%
HSV	28°, 13%, 91%
XYZ	67.9905, 70.0064, 65.3548
YIQ	218.1880, 14.0300, -0.9620

Conversions

Conversions Part 2

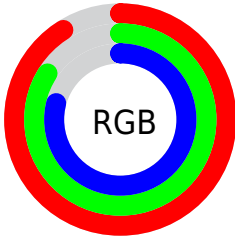
Format	Color
R _Y B	231, 227, 201
Decimal	15194057
CIE Lab	87.00, 3.21, 8.88
CIE LCh	87, 9.439, 70.150
Yxy	70.0064, 0.3343, 0.3443
Android (android.graphics.Color)	4293384137 (0xFFE7D7C9)
YUV	218.1880, -8.4737, 11.2361
Hunter-Lab	83.6698, -1.3723, 12.2573

Details

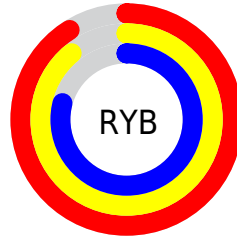
The CIELCh color $87, 9.439, 70.150$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86, 9.074, 253.480$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 9.335, 69.571$ is the 20% darker color. If you saturate the color by 10%, you get $83, 17.165, 68.997$, and if you desaturate by 10%, it is $91, 2.104, 71.184$.

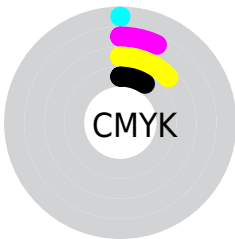
Distribution



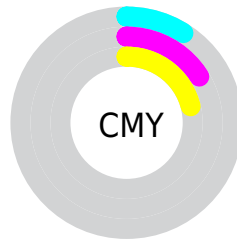
- Red (91%)
- Green (84%)
- Blue (79%)



- Red (91%)
- Yellow (89%)
- Blue (79%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (9%)



- Cyan (9%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.439, 70.150 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, 9.439, 70.150 by changing the saturation by 10% instead.



87, 9.439, 70.150

87, 9.439, 70.150

83, 17.165, 68.997

91, 2.104, 71.184

80, 25.308, 67.813

94, 4.877, 252.644

76, 33.878, 66.629

98, 7.270, 210.107

73, 42.843, 65.445

98, 8.095, 198.975

70, 52.086, 64.238

67, 61.324, 62.936

64, 69.960, 61.375

61, 76.951, 59.233

60, 80.636, 57.351

Harmonies

Complementary

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



87, 9.439, 70.150



86, 9.074, 253.480

Rectangle

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



87, 9.439, 70.150



87, 9.439, 120.150



87, 9.439, 250.150



87, 9.439, 300.150

Sweetspot

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



87, 9.439, 70.166



98, 3.074, 71.116



84, 13.814, 342.939



52, 2.189, 71.052



0, 0.000, 0.000



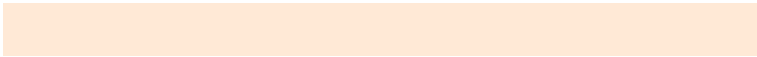
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 9.439, 70.166



94, 12.703, 69.806



91, 14.960, 107.526



46, 4.068, 70.566



47, 66.146, 58.042



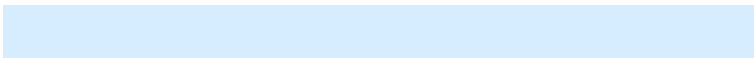
12, 20.958, 56.985

Inverse Universe

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



86, 9.074, 253.480



92, 12.080, 253.937



82, 15.382, 290.240



46, 3.959, 252.998



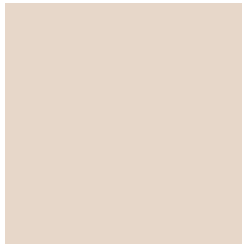
40, 51.550, 280.485



9, 18.688, 271.497

Previews

White Background



This preview shows how the CIELCh color 87, 9.439, 70.150 looks on a white background.

Color Contrast Check

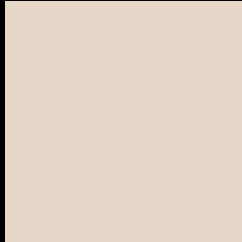
Large Text (above 18pt) WCAG AA × Fail

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, 9.439, 70.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

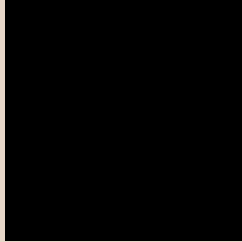
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

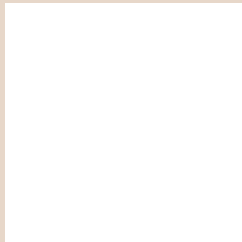
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.439, 70.150

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.439, 70.150.



This preview shows how white text looks on a background with the CIELCh color 87, 9.439, 70.150.

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, 9.439, 70.150

Protanopia

87, 8.492, 86.270

Deuteranopia

87, 13.876, 37.683



Tritanopia
87, 12.420, 334.618

Trichromacy



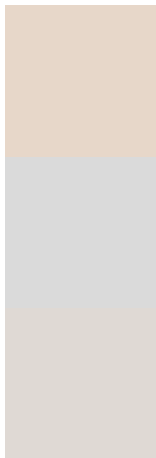
Original Color
87, 9.439, 70.150

Protanomaly
87, 8.550, 77.989

Deuteranomaly
87, 11.770, 46.230

Tritanomaly
87, 8.099, 1.178

Monochromacy



Original Color
87, 9.439, 70.150

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.386, 69.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.439, 70.150 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(231, 215, 201)` looks like.

```
.text, #text, p{  
    color:rgb(231, 215, 201)  
}
```

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(231, 215, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 215, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.439, 70.150 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(231, 215, 201) }
```

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

```
.border{ border-color:rgb(231, 215, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 215, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 215, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 215, 201);  
box-shadow:4px 4px 4px 4px rgb(231, 215,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.439, 70.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 215, 201) }
```

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

```
.background{ background-color: rgb(231,  
215, 201) }
```

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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