

Converting Colors

CIELCh(87, 9.307, 100.613)

Have a look what the booklet for
CIELCh(87, 9.307, 100.613) contains.

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Color

CIELCh(87, 8.974, 99.887)

Conversions

Conversions Part 1

Format	Color
Hex	DEDAC9
RGB	222, 218, 201
RGB Percent	87%, 85%, 79%
CMY	0.1288, 0.1444, 0.2111
CMYK	0.00, 0.02, 0.09, 0.13
HSL	49°, 24%, 83%
HSV	49°, 9%, 87%
XYZ	65.8486, 70.0064, 65.3983
YIQ	217.2580, 7.8410, -4.4390

Conversions

Conversions Part 2

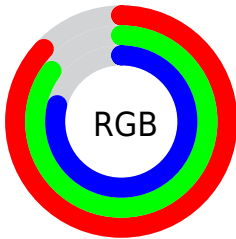
Format	Color
R_{YB}	206, 222, 201
Decimal	14605001
CIE Lab	87.00, -1.54, 8.84
CIE LCh	87, 8.974, 99.887
Yxy	70.0064, 0.3272, 0.3479
Android (android.graphics.Color)	4292795081 (0xFFDEDAC9)
YUV	217.2580, -8.0152, 4.1587
Hunter-Lab	83.6698, -5.9418, 12.2264

Details

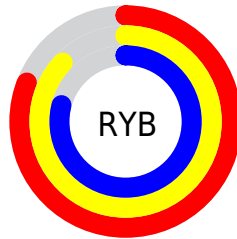
The CIELCh color **87, 8.974, 99.887** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 9.086, 282.123**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 8.933, 99.051** is the 20% darker color. If you saturate the color by 10%, you get **85, 18.539, 98.749**, and if you desaturate by 10%, it is **89, 0.527, 281.353**.

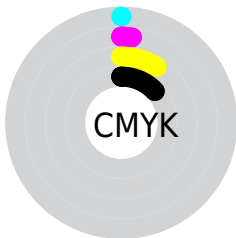
Distribution



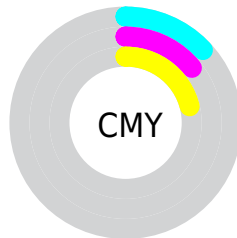
- Red (87%)
- Green (85%)
- Blue (79%)



- Red (81%)
- Yellow (87%)
- Blue (79%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (13%)























- Cyan (13%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.974, 99.887 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, 8.974, 99.887 by changing the saturation by 10% instead.



 87, 8.974, 99.887	 87, 8.974, 99.887
 85, 18.539, 98.749	 89, 0.527, 281.353
 84, 28.120, 97.562	 90, 9.947, 282.141
 82, 37.640, 96.352	 92, 12.783, 277.939
 81, 46.962, 95.127	 93, 11.081, 267.849
 80, 55.847, 93.892	
 78, 63.906, 92.647	 94, 9.830, 254.759
 77, 70.552, 91.377	 95, 9.206, 239.023
 76, 75.066, 90.043	 96, 9.328, 222.492
 75, 77.168, 88.596	 97, 10.160, 207.604
	 98, 11.100, 198.765

Harmonies

Complementary

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



87, 8.974, 99.887



83, 9.086, 282.123

Rectangle

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



87, 8.974, 99.887



87, 8.974, 149.887



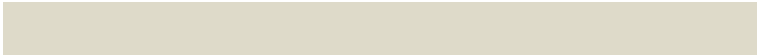
87, 8.974, 279.887



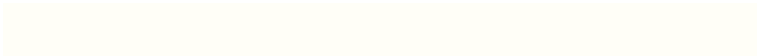
87, 8.974, 329.887

Sweetspot

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



87, 8.976, 99.899



99, 3.170, 100.587



83, 8.070, 4.071



53, 2.405, 100.509



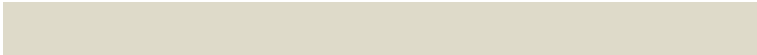
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 8.976, 99.899



98, 11.688, 99.715



88, 11.186, 121.267



46, 5.435, 99.900



61, 65.001, 88.770



16, 23.325, 91.587

Inverse Universe

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



83, 9.086, 282.123



92, 11.849, 282.331



82, 11.399, 302.360



44, 5.502, 282.122



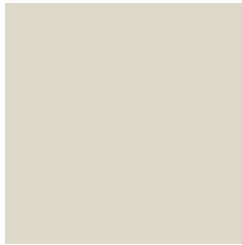
24, 89.255, 302.661



4, 27.505, 291.520

Previews

White Background



This preview shows how the CIELCh color 87, 8.974, 99.887 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, 8.974, 99.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

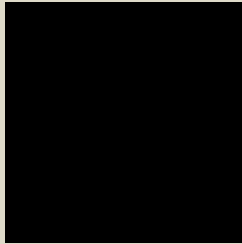
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

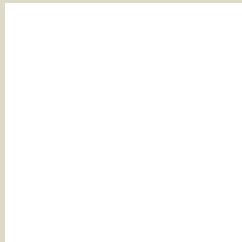
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 8.974, 99.887

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.974, 99.887.



This preview shows how white text looks on a background with the CIELCh color 87, 8.974, 99.887.

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, 8.974, 99.887

Protanopia

87, 8.977, 87.508

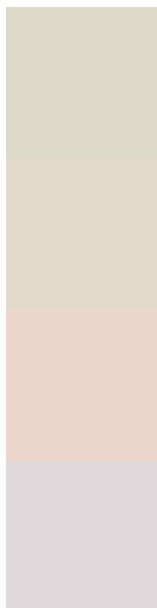
Deuteranopia

87, 13.329, 36.073



Tritanopia
87, 9.917, 316.207

Trichromacy



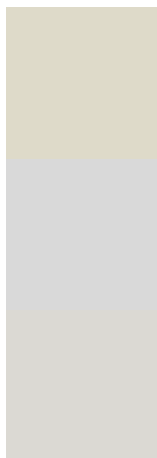
Original Color
87, 8.974, 99.887

Protanomaly
87, 8.844, 89.766

Deuteranomaly
87, 10.369, 53.357

Tritanomaly
87, 3.883, 346.981

Monochromacy



Original Color
87, 8.974, 99.887

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.203, 96.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.974, 99.887 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(222, 218, 201)` looks like.

```
.text, #text, p{  
    color:rgb(222, 218, 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(222, 218, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 218, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.974, 99.887 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(222, 218, 201) }
```

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

```
.border{ border-color:rgb(222, 218, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 218, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 218, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 218, 201);  
box-shadow:4px 4px 4px 4px rgb(222, 218,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.974, 99.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 218, 201) }
```

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

```
.background{ background-color: rgb(222,  
218, 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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