

Converting Colors

CIELCh(87, 17.950, 98.836)

Have a look what the booklet for
CIELCh(87, 17.950, 98.836) contains.

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Color

CIELCh(87, 17.950, 98.836)

Conversions

Conversions Part 1

Format	Color
Hex	E2DAB8
RGB	226, 218, 184
RGB Percent	89%, 85%, 72%
CMY	0.1124, 0.1438, 0.2772
CMYK	0.00, 0.04, 0.19, 0.11
HSL	49°, 42%, 81%
HSV	49°, 19%, 89%
XYZ	65.3069, 70.0064, 55.5907
YIQ	216.5160, 15.6820, -8.8780

Conversions

Conversions Part 2

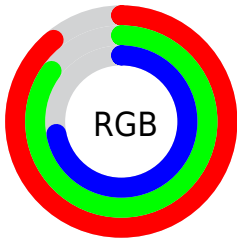
Format	Color
R _Y B	194, 226, 184
Decimal	14867128
CIE Lab	87.00, -2.76, 17.74
CIE LCh	87, 17.950, 98.836
Yxy	70.0064, 0.3421, 0.3667
Android (android.graphics.Color)	4293057208 (0xFFE2DAB8)
YUV	216.5160, -16.0304, 8.3175
Hunter-Lab	83.6698, -7.0973, 19.1763

Details

The CIELCh color $87, 17.950, 98.836$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $78, 18.349, 283.361$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 7.593, 109.599$, and $67, 17.788, 99.038$ is the 20% darker color. If you saturate the color by 10%, you get $85, 27.678, 97.658$, and if you desaturate by 10%, it is $89, 8.248, 99.991$.

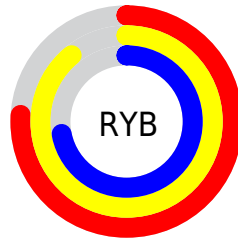
Distribution



Red (89%)

Green (85%)

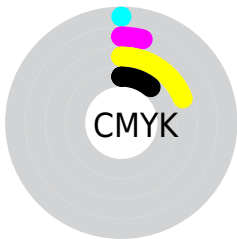
Blue (72%)



Red (76%)

Yellow (89%)

Blue (72%)

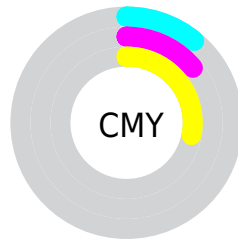


Cyan (0%)

Magenta (4%)

Yellow (19%)

Black (11%)



Cyan (11%)

Magenta (14%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.950, 98.836 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, 17.950, 98.836 by changing the saturation by 10% instead.

87, 17.950, 98.836

87, 17.950, 98.836

100, 17.950,
98.836

77, 17.950, 98.836

67, 17.950, 98.836

57, 17.950, 98.836

47, 17.950, 98.836

37, 17.950, 98.836

27, 17.950, 98.836

17, 17.950, 98.836

7, 17.950, 98.836

0, 17.950, 98.836

87, 17.950, 98.836

87, 17.950, 98.836

85, 27.678, 97.658

89, 8.248, 99.991

84, 37.351, 96.448

90, 1.391, 281.252

83, 46.839, 95.222

92, 10.945,
282.228

81, 55.908, 93.986

93, 10.443,
273.528

80, 64.178, 92.741

79, 71.068, 91.472

94, 8.951, 259.911

77, 75.849, 90.143

95, 8.125, 242.396

76, 78.098, 88.698

96, 8.159, 223.207

76, 78.338, 88.487

97, 9.033, 206.074

98, 9.735, 198.859

Harmonies

Complementary

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



87, 17.950, 98.836



78, 18.349, 283.361

Rectangle

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



87, 17.950, 98.836



87, 17.950, 148.836



87, 17.950, 278.836



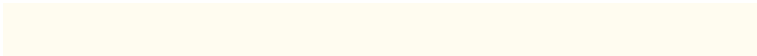
87, 17.950, 328.836

Sweetspot

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



87, 17.952, 98.843



99, 6.357, 100.269



79, 16.469, 5.098



53, 4.219, 100.197



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, 17.952, 98.843



96, 23.459, 98.422



88, 22.274, 120.730



46, 5.434, 99.892



61, 64.997, 88.760



16, 23.322, 91.577

Inverse Universe

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



78, 18.349, 283.361



85, 24.086, 283.904



77, 23.088, 302.977



44, 5.501, 282.115



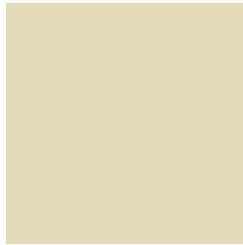
24, 89.244, 302.657



4, 27.502, 291.517

Previews

White Background



This preview shows how the CIELCh color 87, 17.950, 98.836 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, 17.950, 98.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

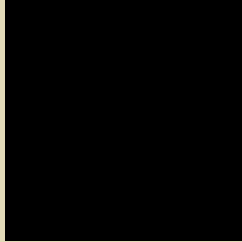
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

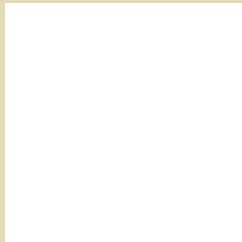
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.950, 98.836

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.950, 98.836.

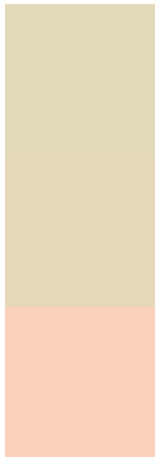


This preview shows how white text looks on a background with the CIELCh color 87, 17.950, 98.836.

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, 17.950, 98.836

Protanopia

87, 17.790, 93.691

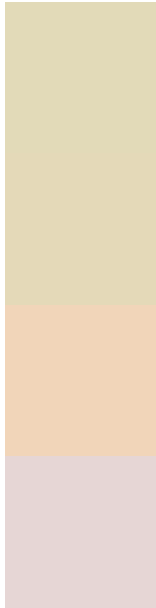
Deuteranopia

87, 20.088, 58.450



Tritanopia
87, 11.462, 329.330

Trichromacy



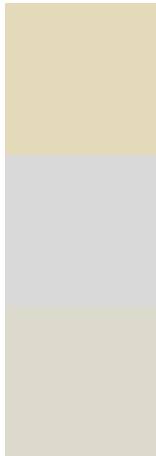
Original Color
87, 17.950, 98.836

Protanomaly
87, 17.693, 94.901

Deuteranomaly
87, 18.254, 72.514

Tritanomaly
87, 5.882, 24.811

Monochromacy



Original Color
87, 17.950, 98.836

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.347, 99.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.950, 98.836 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(226, 218, 184)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 184)  
}
```

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(226, 218, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.950, 98.836 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(226, 218, 184) }
```

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

```
.border{ border-color:rgb(226, 218, 184) }
```

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

Here you see how a box with a 4 pixel rgb(226, 218, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 184);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.950, 98.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 184) }
```

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

```
.background{ background-color: rgb(226,  
218, 184) }
```

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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