

Converting Colors

CIELCh(87, 12.866, 99.827)

Have a look what the booklet for
CIELCh(87, 12.866, 99.827) contains.

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Color

CIELCh(87, 12.695, 98.860)

Conversions

Conversions Part 1

Format	Color
Hex	E0DAC2
RGB	224, 218, 194
RGB Percent	88%, 85%, 76%
CMY	0.1209, 0.1444, 0.2386
CMYK	0.00, 0.03, 0.13, 0.12
HSL	48°, 33%, 82%
HSV	48°, 13%, 88%
XYZ	65.6637, 70.0064, 61.1870
YIQ	217.0580, 11.2800, -6.1920

Conversions

Conversions Part 2

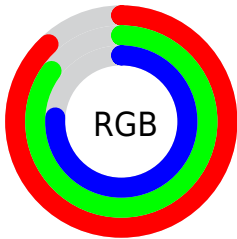
Format	Color
RYB	202, 224, 194
Decimal	14736066
CIELab	87.00, -1.96, 12.54
CIElCh	87, 12.695, 98.860
Yxy	70.0064, 0.3336, 0.3556
Android (android.graphics.Color)	4292926146 (0xFFE0DAC2)
YUV	217.0580, -11.3676, 6.0881
Hunter-Lab	83.6698, -6.3362, 15.2106

Details

The CIELCh color **87, 12.695, 98.860** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 12.889, 282.079**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 2.017, 109.989**, and **67, 12.861, 98.030** is the 20% darker color. If you saturate the color by 10%, you get **85, 22.258, 97.692**, and if you desaturate by 10%, it is **89, 3.190, 99.978**.

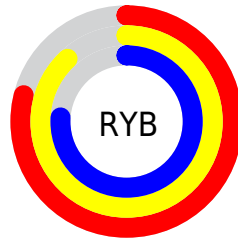
Distribution



Red (88%)

Green (85%)

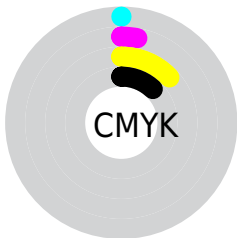
Blue (76%)



Red (79%)

Yellow (88%)

Blue (76%)

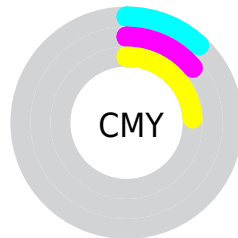


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (12%)



Cyan (12%)

Magenta (14%)

Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.695, 98.860 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, 12.695, 98.860 by changing the saturation by 10% instead.

 87, 12.695, 98.860

 87, 12.695, 98.860

 100, 12.695,
98.860

 77, 12.695, 98.860

 67, 12.695, 98.860

 57, 12.695, 98.860

 47, 12.695, 98.860

 37, 12.695, 98.860

 27, 12.695, 98.860

 17, 12.695, 98.860

 7, 12.695, 98.860

 0, 12.695, 98.860

87, 12.695, 98.860

87, 12.695, 98.860

85, 22.258, 97.692

89, 3.190, 99.978

84, 31.822, 96.482

90, 6.234, 281.167

82, 41.293, 95.250

92, 12.309,
279.353

81, 50.501, 94.003

93, 10.473,
268.306

80, 59.156, 92.742

78, 66.791, 91.460

94, 9.166, 253.489

77, 72.742, 90.128

95, 8.623, 235.495

76, 76.291, 88.689

96, 8.972, 217.182

75, 77.442, 87.666

98, 10.111,
201.694

98, 10.444,
198.810

Harmonies

Complementary

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



87, 12.695, 98.860



81, 12.889, 282.079

Rectangle

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



87, 12.695, 98.860



87, 12.695, 148.860



87, 12.695, 278.860



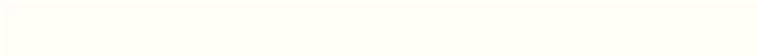
87, 12.695, 328.860

Sweetspot

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



87, 12.697, 98.869



99, 4.188, 99.914



81, 11.629, 4.501



53, 2.979, 99.835



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, 12.697, 98.869



97, 16.868, 98.552



88, 15.951, 121.036



46, 5.381, 99.321



60, 64.716, 87.946



16, 23.123, 90.820

Inverse Universe

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



81, 12.889, 282.079



89, 17.172, 282.459



80, 16.369, 302.618



44, 5.443, 281.562



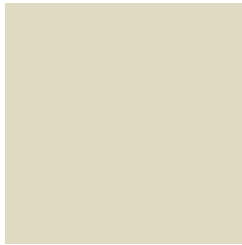
25, 88.345, 302.351



4, 27.302, 291.269

Previews

White Background



This preview shows how the CIELCh color 87, 12.695, 98.860 looks on a white background.

Color Contrast Check

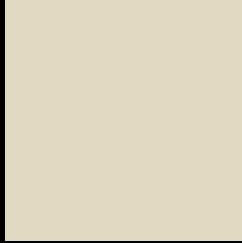
Large Text (above 18pt) WCAG AA × Fail

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, 12.695, 98.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

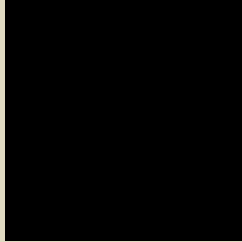
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

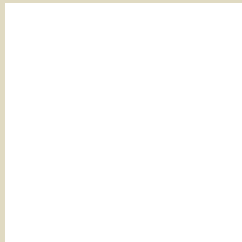
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 12.695, 98.860

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.695, 98.860.

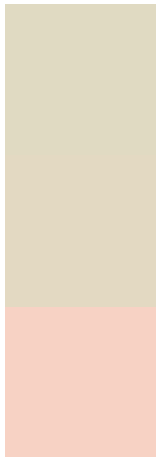


This preview shows how white text looks on a background with the CIELCh color 87, 12.695, 98.860.

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, 12.695, 98.860

Protanopia

87, 12.558, 91.657

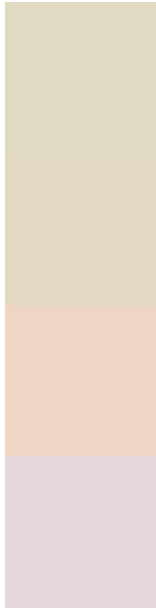
Deuteranopia

87, 15.958, 47.332



Tritanopia
87, 10.619, 323.210

Trichromacy



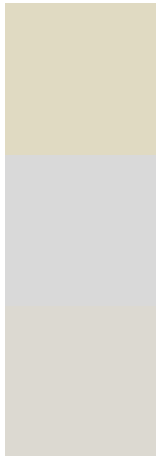
Original Color
87, 12.695, 98.860

Protanomaly
87, 12.450, 93.326

Deuteranomaly
87, 13.670, 63.032

Tritanomaly
87, 4.490, 6.169

Monochromacy



Original Color
87, 12.695, 98.860

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.303, 95.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.695, 98.860 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, 218, 194)` looks like.

```
.text, #text, p{  
    color:rgb(224, 218, 194)  
}
```

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, 218, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 218, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.695, 98.860 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, 218, 194) }
```

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

```
.border{ border-color:rgb(224, 218, 194) }
```

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

Here you see how a box with a 4 pixel rgb(224, 218, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 218, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 218, 194);  
box-shadow:4px 4px 4px 4px rgb(224, 218,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.695, 98.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 218, 194) }
```

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

```
.background{ background-color: rgb(224,  
218, 194) }
```

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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