

Converting Colors

CIELCh(87, 4.056, 98.147)

Have a look what the booklet for
CIELCh(87, 4.056, 98.147) contains.

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Color

CIELCh(87, 4.224, 99.853)

Conversions

Conversions Part 1

Format	Color
Hex	DCDAD2
RGB	220, 218, 210
RGB Percent	86%, 85%, 82%
CMY	0.1373, 0.1451, 0.1765
CMYK	0.00, 0.01, 0.05, 0.14
HSL	48°, 12%, 84%
HSV	48°, 5%, 86%
XYZ	66.2145, 70.0064, 70.9907
YIQ	217.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

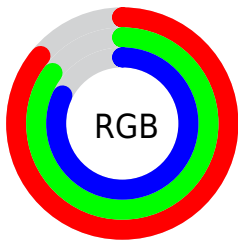
Format	Color
R_{YB}	213, 220, 210
Decimal	14473938
CIE Lab	87.00, -0.72, 4.16
CIE LCh	87, 4.224, 99.853
Yxy	70.0064, 0.3196, 0.3378
Android (android.graphics.Color)	4292664018 (0xFFDCDAD2)
YUV	217.6860, -3.7892, 2.0294
Hunter-Lab	83.6698, -5.1611, 8.2635

Details

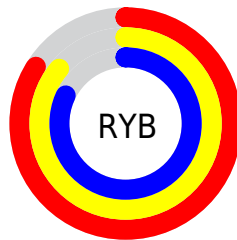
The CIELCh color **87, 4.224, 99.853** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 4.264, 280.990**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 3.920, 98.386** is the 20% darker color. If you saturate the color by 10%, you get **85, 13.599, 98.754**, and if you desaturate by 10%, it is **89, 5.069, 281.062**.

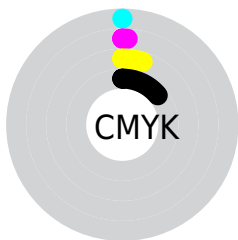
Distribution



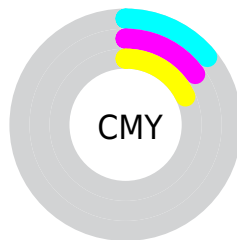
- Red (86%)
- Green (85%)
- Blue (82%)



- Red (84%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.224, 99.853 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, 4.224, 99.853 by changing the saturation by 10% instead.

 87, 4.224, 99.853	 87, 4.224, 99.853
 100, 4.224, 99.853	 77, 4.224, 99.853
	 67, 4.224, 99.853
	 57, 4.224, 99.853
	 47, 4.224, 99.853
	 37, 4.224, 99.853
	 27, 4.224, 99.853
	 17, 4.224, 99.853
	 7, 4.224, 99.853
	 0, 4.224, 99.853

87, 4.224, 99.853

87, 4.224, 99.853

85, 13.599, 98.754

89, 5.069, 281.062

84, 23.022, 97.573

90, 14.271,
282.108

82, 32.438, 96.362

92, 12.818,
274.114

81, 41.748, 95.131

79, 50.774, 93.884

93, 11.211,
263.114

78, 59.215, 92.623

94, 10.133,
249.230

77, 66.590, 91.339


76, 72.227, 90.002

95, 9.749, 233.297

74, 75.441, 88.550

96, 10.130,
217.431

97, 11.189,
203.699

 98, 11.805,
198.717

Harmonies

Complementary

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



87, 4.224, 99.853



85, 4.264, 280.990

Rectangle

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



87, 4.224, 99.853



87, 4.224, 149.853



87, 4.224, 279.853



87, 4.224, 329.853

Sweetspot

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



87, 4.226, 99.877



100, 1.038, 100.134



85, 3.800, 3.519



53, 0.590, 100.130



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, 4.226, 99.877



99, 5.242, 99.825



87, 5.331, 121.555



46, 3.161, 99.759



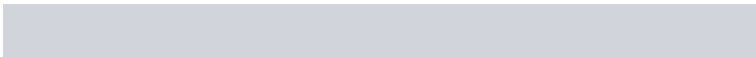
59, 64.034, 87.988



15, 21.782, 91.071

Inverse Universe

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



85, 4.264, 280.990



97, 5.290, 281.046



85, 5.395, 302.054



44, 3.191, 281.116



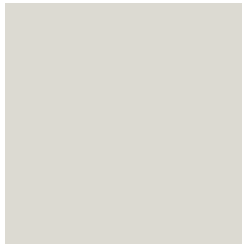
24, 87.339, 302.332



4, 25.557, 290.143

Previews

White Background



This preview shows how the CIELCh color 87, 4.224, 99.853 looks on a white background.

Color Contrast Check

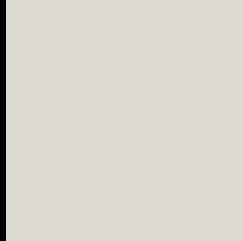
Large Text (above 18pt) WCAG AA × Fail

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, 4.224, 99.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

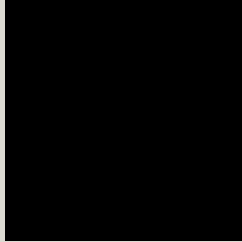
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

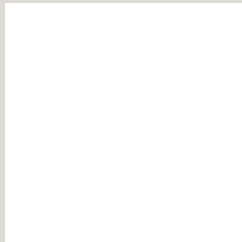
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.224, 99.853

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.224, 99.853.

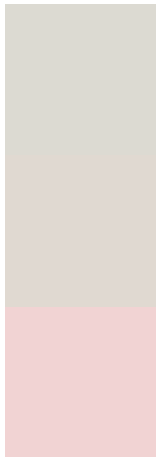


This preview shows how white text looks on a background with the CIELCh color 87, 4.224, 99.853.

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

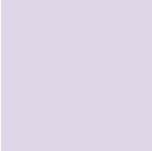
87, 4.224, 99.853

Protanopia

87, 4.880, 78.032

Deuteranopia

87, 11.117, 20.179



Tritanopia
87, 9.382, 308.358

Trichromacy



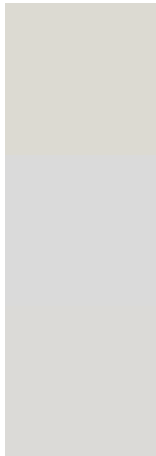
Original Color
87, 4.224, 99.853

Protanomaly
87, 4.699, 81.875

Deuteranomaly
87, 7.169, 32.394

Tritanomaly
87, 4.735, 317.401

Monochromacy



Original Color
87, 4.224, 99.853

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.594, 96.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.224, 99.853 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(220, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(220, 218, 210)  
}
```

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(220, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 218, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.224, 99.853 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(220, 218, 210) }
```

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

```
.border{ border-color:rgb(220, 218, 210) }
```

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

Here you see how a box with a 4 pixel rgb(220, 218, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 218, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 218, 210);  
box-shadow:4px 4px 4px 4px rgb(220, 218,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.224, 99.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 218, 210) }
```

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

```
.background{ background-color: rgb(220,  
218, 210) }
```

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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