

Converting Colors

CIELCh(87, 28.426, 107.776)

Have a look what the booklet for
CIELCh(87, 28.426, 107.776)
contains.

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Color

CIELCh(87, 28.448, 107.766)

Conversions

Conversions Part 1

Format	Color
Hex	DDDDA6
RGB	221, 221, 166
RGB Percent	87%, 87%, 65%
CMY	0.1324, 0.1324, 0.3481
CMYK	0.00, 0.00, 0.25, 0.13
HSL	60°, 45%, 76%
HSV	60°, 25%, 87%
XYZ	62.7119, 70.0064, 46.3912
YIQ	214.7300, 17.6550, -17.1050

Conversions

Conversions Part 2

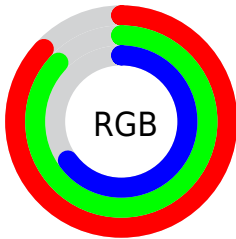
Format	Color
RYB	166, 221, 166
Decimal	14540198
CIELab	87.00, -8.68, 27.09
CIELCh	87, 28.448, 107.766
Yxy	70.0064, 0.3501, 0.3909
Android (android.graphics.Color)	4292730278 (0xFFDDDDA6)
YUV	214.7300, -24.0239, 5.4988
Hunter-Lab	83.6698, -12.6335, 25.6952

Details

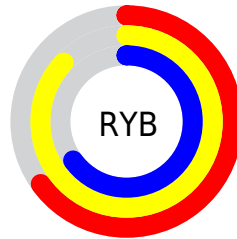
The CIELCh color **87, 28.448, 107.766** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 30.176, 293.116**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **67, 28.267, 108.054** is the 20% darker color. If you saturate the color by 10%, you get **87, 39.604, 106.811**, and if you desaturate by 10%, it is **87, 17.079, 108.741**.

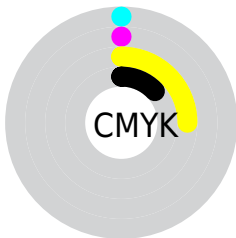
Distribution



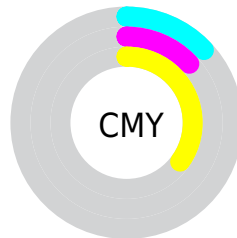
- Red (87%)
- Green (87%)
- Blue (65%)



- Red (65%)
- Yellow (87%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)





- Cyan (13%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.448, 107.766 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, 28.448, 107.766 by changing the saturation by 10% instead.

 87, 28.448,
107.766

 87, 28.448,
107.766


 100, 28.448,
107.766


 77, 28.448,
107.766

 67, 28.448,
107.766

 57, 28.448,
107.766

 47, 28.448,
107.766

 37, 28.448,
107.766

 27, 28.448,
107.766

 17, 28.448,

107.766

■ 7, 28.448, 107.766

■ 0, 28.448, 107.766

■ 87, 28.448,
107.766

■ 87, 28.448,
107.766

■ 87, 39.604,
106.811

■ 87, 17.079,
108.741

■ 86, 50.378,
105.887

■ 88, 5.597, 109.702

■ 86, 60.522,
105.026

■ 88, 5.931, 290.678

■ 86, 69.666,
104.261

■ 89, 17.459,
291.596

■ 86, 77.311,

■ 89, 17.604,
291.609

103.634

89, 17.604,
291.610

86, 82.911,
103.183

89, 17.604,
291.611

86, 86.098,
102.930

89, 17.604,
291.612

86, 87.052,
102.855

89, 17.604,
291.613

Harmonies

Complementary

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



87, 28.448, 107.766



70, 30.176, 293.116

Rectangle

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



87, 28.448, 107.766



87, 28.448, 157.766



87, 28.448, 287.766



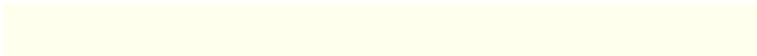
87, 28.448, 337.766

Sweetspot

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



87, 28.450, 107.770



100, 9.036, 109.494



73, 21.743, 21.329



53, 5.871, 109.436



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, 28.450, 107.770



98, 38.382, 107.252



85, 30.496, 127.921



46, 6.483, 109.267



69, 72.577, 102.855



18, 26.501, 104.164

Inverse Universe

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



70, 30.176, 293.116



75, 41.322, 293.922



72, 31.562, 310.258



42, 6.628, 291.158



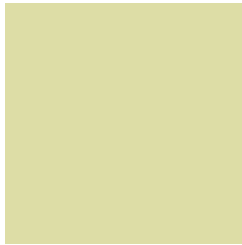
20, 100.215, 306.287



2, 29.602, 294.917

Previews

White Background



This preview shows how the CIELCh color 87, 28.448, 107.766 looks on a white background.

Color Contrast Check

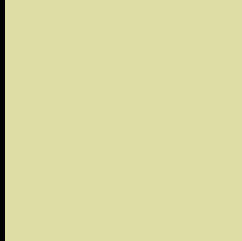
Large Text (above 18pt) WCAG AA × Fail

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, 28.448, 107.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

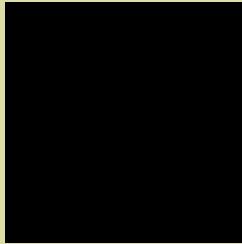
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

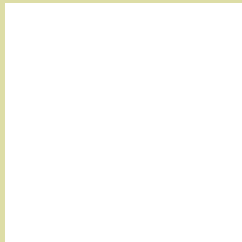
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 28.448, 107.766

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.448, 107.766.



This preview shows how white text looks on a background with the CIELCh color 87, 28.448, 107.766.

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](#).

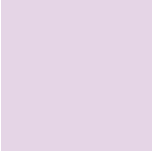
Dichromacy



Original Color
87, 28.448, 107.766

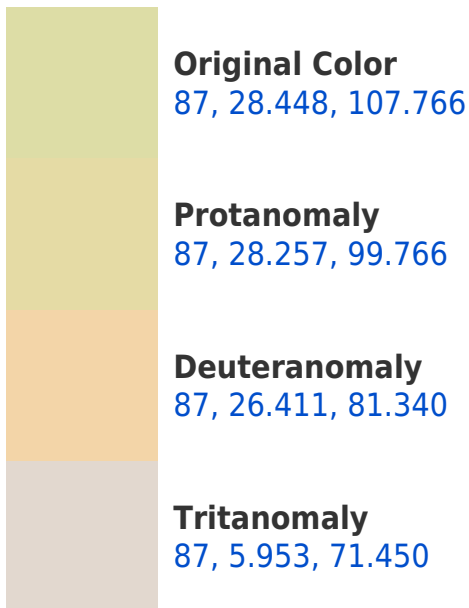
Protanopia
87, 27.747, 94.667

Deuteranopia
87, 28.072, 67.523



Tritanopia
87, 10.619, 323.210

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.448, 107.766 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(221, 221, 166)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 166)  
}
```

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(221, 221, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.448, 107.766 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(221, 221, 166) }
```

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

```
.border{ border-color:rgb(221, 221, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 221, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 221, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 221, 166); box-shadow:4px 4px 4px 4px rgb(221, 221, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.448, 107.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 166) }
```

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

```
.background{ background-color: rgb(221,  
221, 166) }
```

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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