

Converting Colors

CIELCh(87, 36.979, 106.268)

Have a look what the booklet for
CIELCh(87, 36.979, 106.268)
contains.

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Color

CIELCh(87, 37.021, 106.421)

Conversions

Conversions Part 1

Format	Color
Hex	DFDE96
RGB	223, 222, 150
RGB Percent	87%, 87%, 59%
CMY	0.1262, 0.1301, 0.4124
CMYK	0.00, 0.00, 0.33, 0.13
HSL	59°, 53%, 73%
HSV	59°, 33%, 87%
XYZ	61.9435, 70.0064, 39.0324
YIQ	214.0910, 23.7080, -22.1800

Conversions

Conversions Part 2

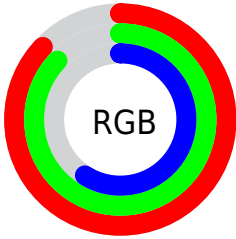
Format	Color
RYB	151, 223, 150
Decimal	14671510
CIELab	87.00, -10.47, 35.51
CIELCh	87, 37.021, 106.421
Yxy	70.0064, 0.3623, 0.4094
Android (android.graphics.Color)	4292861590 (0xFFDFDE96)
YUV	214.0910, -31.5969, 7.8132
Hunter-Lab	83.6698, -14.2729, 30.9098

Details

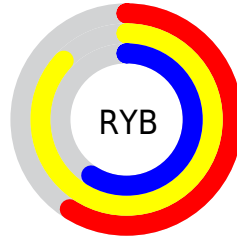
The CIELCh color $87, 37.021, 106.421$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $65, 40.069, 293.818$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 25.235, 108.263$, and $67, 37.113, 106.280$ is the 20% darker color. If you saturate the color by 10%, you get $87, 47.844, 105.472$, and if you desaturate by 10%, it is $87, 25.876, 107.403$.

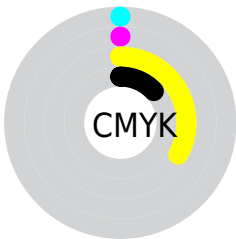
Distribution



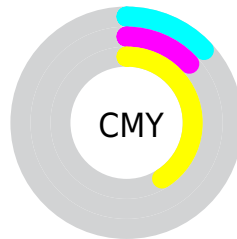
- Red (87%)
- Green (87%)
- Blue (59%)



- Red (59%)
- Yellow (87%)
- Blue (59%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (13%)





- Cyan (13%)
- Magenta (13%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 37.021, 106.421 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, 37.021, 106.421 by changing the saturation by 10% instead.


 87, 37.021,
106.421


 87, 37.021,
106.421


 100, 37.021,
106.421


 77, 37.021,
106.421

 67, 37.021,
106.421

 57, 37.021,
106.421

 47, 37.021,
106.421

 37, 37.021,
106.421

 27, 37.021,
106.421

 17, 37.021,

106.421

■ 7, 37.021, 106.421

■ 0, 37.021, 106.421

■ 87, 37.021,
106.421

■ 87, 37.021,
106.421

■ 87, 47.844,
105.472

■ 87, 25.876,
107.403

■ 86, 58.115,
104.570

■ 88, 14.551,
108.387

■ 86, 67.491,
103.751

■ 89, 3.140, 109.346

■ 86, 75.496,
103.052

■ 89, 8.298, 290.336

■ 86, 81.566,

■ 90, 16.477,
290.898

102.510

90, 16.315,
290.520

85, 85.247,
102.152

90, 16.154,
290.135

85, 86.629,
101.986

90, 15.994,
289.743

90, 15.835,
289.343

Harmonies

Complementary

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



87, 37.021, 106.421



65, 40.069, 293.818

Rectangle

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



87, 37.021, 106.421



87, 37.021, 156.421



87, 37.021, 286.421



87, 37.021, 336.421

Sweetspot

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



87, 37.023, 106.424



99, 12.733, 108.649



69, 29.581, 21.015



53, 8.685, 108.511



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, 37.023, 106.424



98, 48.884, 105.797



85, 40.125, 126.936



47, 6.518, 108.710



69, 72.630, 102.000



19, 27.578, 103.172

Inverse Universe

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



65, 40.069, 293.818



68, 53.975, 294.947



68, 42.106, 310.135



43, 6.660, 290.626



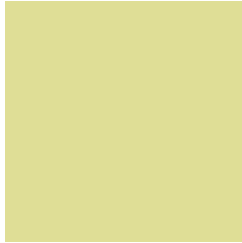
21, 100.664, 306.113



2, 31.334, 295.559

Previews

White Background



This preview shows how the CIELCh color 87, 37.021, 106.421 looks on a white background.

Color Contrast Check

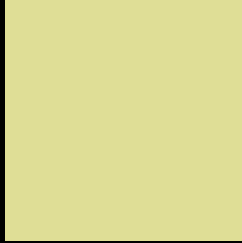
Large Text (above 18pt) WCAG AA × Fail

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, 37.021, 106.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

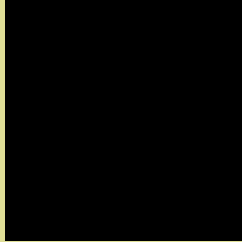
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

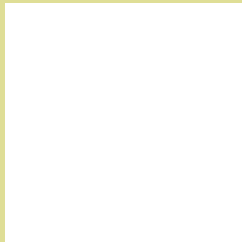
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 37.021, 106.421

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.021, 106.421.



This preview shows how white text looks on a background with the CIELCh color 87, 37.021, 106.421.

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](#).

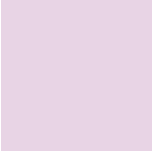
Dichromacy



Original Color
87, 37.021, 106.421

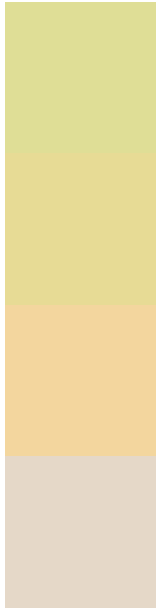
Protanopia
87, 36.894, 95.688

Deuteranopia
87, 31.184, 72.469



Tritanopia
87, 11.462, 329.330

Trichromacy



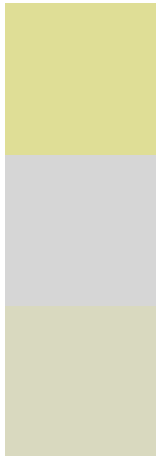
Original Color
87, 37.021, 106.421

Protanomaly
87, 36.435, 99.462

Deuteranomaly
87, 31.466, 85.904

Tritanomaly
87, 9.649, 79.163

Monochromacy



Original Color
87, 37.021, 106.421

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 13.560, 109.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.021, 106.421 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(223, 222, 150)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 150)  
}
```

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(223, 222, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.021, 106.421 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(223, 222, 150) }
```

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

```
.border{ border-color:rgb(223, 222, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 222, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 150);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.021, 106.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 150) }
```

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

```
.background{ background-color: rgb(223,  
222, 150) }
```

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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