

Converting Colors

CIELCh(87, 34.558, 106.521)

Have a look what the booklet for
CIELCh(87, 34.558, 106.521)
contains.

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Color

CIELCh(87, 34.510, 106.596)

Conversions

Conversions Part 1

Format	Color
Hex	DFDE9B
RGB	223, 222, 155
RGB Percent	87%, 87%, 61%
CMY	0.1271, 0.1310, 0.3936
CMYK	0.00, 0.00, 0.31, 0.13
HSL	59°, 51%, 74%
HSV	59°, 31%, 87%
XYZ	62.2048, 70.0064, 41.0769
YIQ	214.6610, 22.1030, -20.6250

Conversions

Conversions Part 2

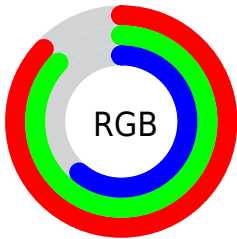
Format	Color
RYB	156, 223, 155
Decimal	14671515
CIELab	87.00, -9.86, 33.07
CIElCh	87, 34.510, 106.596
Yxy	70.0064, 0.3590, 0.4040
Android (android.graphics.Color)	4292861595 (0xFFDFDE9B)
YUV	214.6610, -29.4129, 7.3133
Hunter-Lab	83.6698, -13.7154, 29.4610

Details

The CIELCh color $87, 34.510, 106.596$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $66, 37.109, 293.423$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 22.729, 108.455$, and $67, 34.535, 106.553$ is the 20% darker color. If you saturate the color by 10%, you get $87, 45.405, 105.638$, and if you desaturate by 10%, it is $87, 23.334, 107.582$.

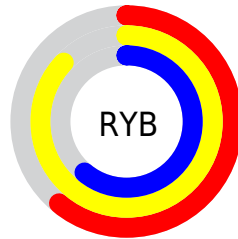
Distribution



Red (87%)

Green (87%)

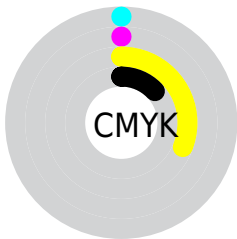
Blue (61%)



Red (61%)

Yellow (87%)

Blue (61%)

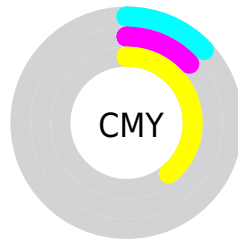


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 34.510, 106.596 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, 34.510, 106.596 by changing the saturation by 10% instead.

 87, 34.510,
106.596

 87, 34.510,
106.596


 100, 34.510,
106.596

 77, 34.510,
106.596

 67, 34.510,
106.596

 57, 34.510,
106.596

 47, 34.510,
106.596

 37, 34.510,
106.596

 27, 34.510,
106.596

 17, 34.510,

106.596

■ 7, 34.510, 106.596

■ 0, 34.510, 106.596

■ 87, 34.510,
106.596

■ 87, 34.510,
106.596

■ 87, 45.405,
105.638

■ 87, 23.334,
107.582

■ 86, 55.807,
104.721

■ 88, 12.003,
108.565

■ 86, 65.405,
103.878

■ 89, 0.601, 109.420

■ 86, 73.753,
103.147

■ 89, 10.816,
290.505

■ 85, 80.293,

■ 90, 16.543,
290.781

102.564

90, 16.370,
290.378

85, 84.522,
102.159

90, 16.199,
289.966

85, 86.501,
101.925

90, 16.028,
289.546

90, 15.858,
289.118

Harmonies

Complementary

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



87, 34.510, 106.596



66, 37.109, 293.423

Rectangle

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



87, 34.510, 106.596



87, 34.510, 156.596



87, 34.510, 286.596



87, 34.510, 336.596

Sweetspot

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



87, 34.512, 106.600



99, 11.450, 108.708



70, 27.338, 20.721



53, 7.955, 108.565



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, 34.512, 106.600



98, 46.433, 105.947



85, 37.413, 127.045



47, 6.512, 108.671



69, 72.579, 101.940



19, 27.553, 103.122

Inverse Universe

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



66, 37.109, 293.423



70, 50.934, 294.552



69, 39.119, 310.011



43, 6.654, 290.589



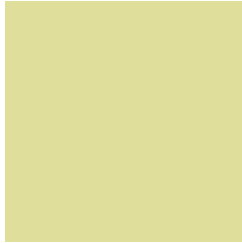
21, 100.620, 306.101



2, 31.314, 295.540

Previews

White Background



This preview shows how the CIELCh color 87, 34.510, 106.596 looks on a white background.

Color Contrast Check

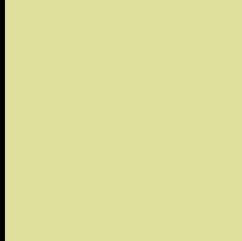
Large Text (above 18pt) WCAG AA × Fail

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, 34.510, 106.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

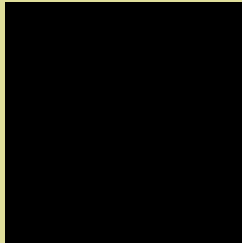
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 34.510, 106.596

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.510, 106.596.

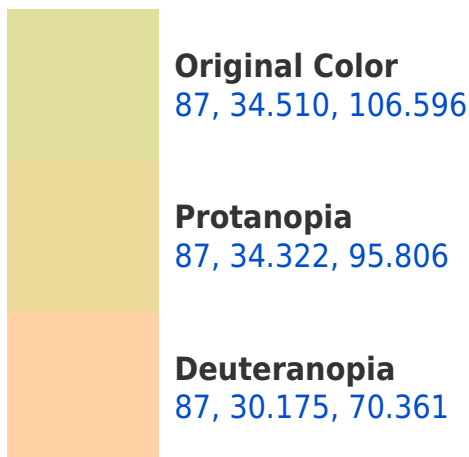


This preview shows how white text looks on a background with the CIELCh color 87, 34.510, 106.596.

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](#).

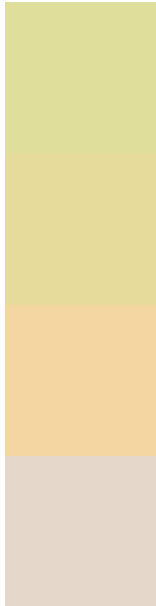
Dichromacy





Tritanopia
87, 11.462, 329.330

Trichromacy



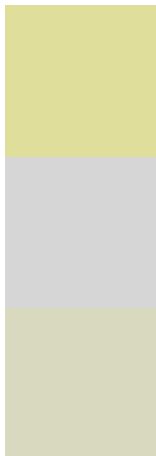
Original Color
87, 34.510, 106.596

Protanomaly
87, 33.872, 99.837

Deuteranomaly
87, 30.020, 85.026

Tritanomaly
87, 8.551, 71.924

Monochromacy



Original Color
87, 34.510, 106.596

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 13.040, 109.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.510, 106.596 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.510, 106.596 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, 155) }
```

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

```
.border{ border-color:rgb(223, 222, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 155);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.510, 106.596 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, 155) }
```

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

```
.background{ background-color: rgb(223,  
222, 155) }
```

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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