

Converting Colors

CIELCh(88, 37.640, 107.918)

Have a look what the booklet for
CIELCh(88, 37.640, 107.918)
contains.

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Color

CIELCh(88, 37.441, 107.645)

Conversions

Conversions Part 1

Format	Color
Hex	E0E198
RGB	224, 225, 152
RGB Percent	88%, 88%, 60%
CMY	0.1210, 0.1171, 0.4034
CMYK	0.00, 0.00, 0.32, 0.12
HSL	61°, 55%, 74%
HSV	61°, 32%, 88%
XYZ	63.4241, 72.0653, 40.3286
YIQ	216.3790, 22.8370, -22.9150

Conversions

Conversions Part 2

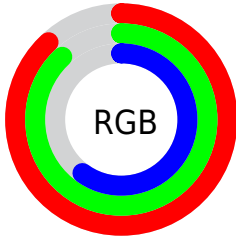
Format	Color
RYB	152, 225, 153
Decimal	14737816
CIELab	88.00, -11.35, 35.68
CIElCh	88, 37.441, 107.645
Yxy	72.0653, 0.3607, 0.4099
Android (android.graphics.Color)	4292927896 (0xFFE0E198)
YUV	216.3790, -31.7388, 6.6836
Hunter-Lab	84.8913, -15.1985, 31.2575

Details

The CIELCh color **88, 37.441, 107.645** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 40.573, 294.711**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **68, 37.541, 107.592** is the 20% darker color. If you saturate the color by 10%, you get **88, 48.482, 106.734**, and if you desaturate by 10%, it is **88, 26.064, 108.592**.

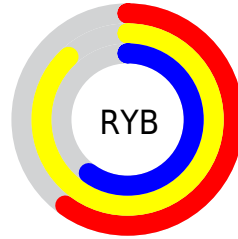
Distribution



Red (88%)

Green (88%)

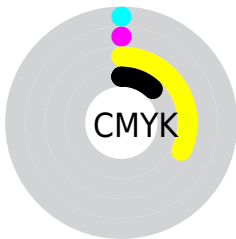
Blue (60%)



Red (60%)

Yellow (88%)

Blue (60%)

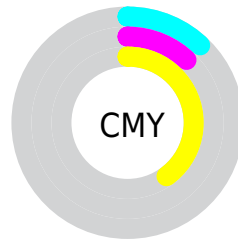


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 37.441, 107.645 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 88, 37.441, 107.645 by changing the saturation by 10% instead.


 88, 37.441,
107.645

 88, 37.441,
107.645

 100, 37.441,
107.645

 78, 37.441,
107.645


 68, 37.441,
107.645

 58, 37.441,
107.645

 48, 37.441,
107.645

 38, 37.441,
107.645

 28, 37.441,
107.645

 18, 37.441,

107.645

■ 8, 37.441, 107.645

■ 0, 37.441, 107.645

■ 88, 37.441,
107.645

■ 88, 37.441,
107.645

■ 88, 48.482,
106.734

■ 88, 26.064,
108.592

■ 87, 58.953,
105.876

■ 89, 14.494,
109.543

■ 87, 68.510,
105.109

■ 89, 2.829, 110.469

■ 87, 76.678,
104.477

■ 90, 8.869, 291.425

■ 87, 82.897,

■ 90, 15.525,
292.102

104.023

90, 15.528,
292.487

87, 86.720,
103.779

90, 15.532,
292.872

87, 88.224,
103.714

91, 15.536,
293.258

91, 15.541,
293.643

Harmonies

Complementary

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



88, 37.441, 107.645



66, 40.573, 294.711

Rectangle

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



88, 37.441, 107.645



88, 37.441, 157.645



88, 37.441, 287.645



88, 37.441, 337.645

Sweetspot

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



88, 37.443, 107.648



99, 12.907, 109.766



70, 29.591, 22.231



53, 8.804, 109.632



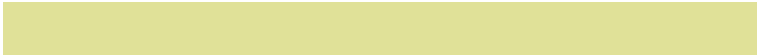
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 37.443, 107.648



98, 49.488, 107.018



85, 40.237, 127.550



47, 6.608, 109.825



69, 73.381, 103.701



19, 27.930, 104.660

Inverse Universe

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



66, 40.573, 294.711



68, 54.781, 295.847



69, 42.125, 310.666



43, 6.756, 291.676



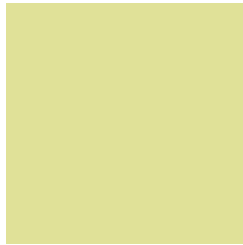
21, 101.233, 306.330



2, 31.653, 296.163

Previews

White Background



This preview shows how the CIELCh color 88, 37.441, 107.645 looks on a white background.

Color Contrast Check

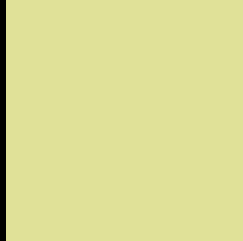
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 88, 37.441, 107.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

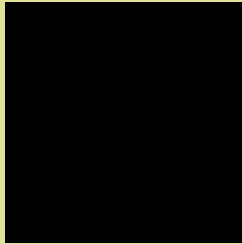
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 37.441, 107.645

Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.441, 107.645.



This preview shows how white text looks on a background with the CIELCh color 88, 37.441, 107.645.

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
88, 37.441, 107.645

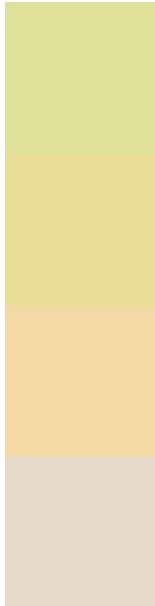
Protanopia
88, 36.925, 95.107

Deuteranopia
88, 28.165, 71.833



Tritanopia
88, 11.214, 327.876

Trichromacy



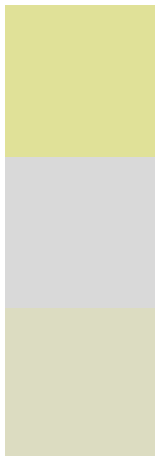
Original Color
88, 37.441, 107.645

Protanomaly
88, 36.850, 99.564

Deuteranomaly
88, 29.619, 86.509

Tritanomaly
88, 9.266, 83.206

Monochromacy



Original Color
88, 37.441, 107.645

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 14.045, 108.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 37.441, 107.645 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, 225, 152)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 152)  
}
```

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, 225, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 37.441, 107.645 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, 225, 152) }
```

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

```
.border{ border-color:rgb(224, 225, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 225, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 152);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 37.441, 107.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 152) }
```

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

```
.background{ background-color: rgb(224,  
225, 152) }
```

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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