

Converting Colors

CIELCh(88, 38.044, 119.275)

Have a look what the booklet for
CIELCh(88, 38.044, 119.275)
contains.

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Color

CIELCh(88, 37.733, 119.065)

Conversions

Conversions Part 1

Format	Color
Hex	D1E59D
RGB	209, 229, 157
RGB Percent	82%, 90%, 62%
CMY	0.1802, 0.1017, 0.3841
CMYK	0.09, 0.00, 0.31, 0.10
HSL	77°, 58%, 76%
HSV	77°, 31%, 90%
XYZ	60.4321, 72.0653, 42.6444
YIQ	214.8120, 11.1920, -26.6320

Conversions

Conversions Part 2

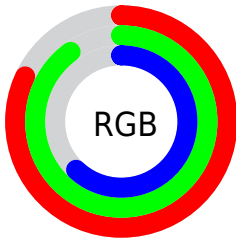
Format	Color
RYB	157, 229, 177
Decimal	13755805
CIELab	88.00, -18.33, 32.98
CIELCh	88, 37.733, 119.065
Yxy	72.0653, 0.3450, 0.4115
Android (android.graphics.Color)	4291945885 (0xFFD1E59D)
YUV	214.8120, -28.5013, -5.0971
Hunter-Lab	84.8913, -21.4898, 29.6401

Details

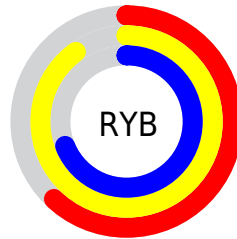
The CIELCh color **88, 37.733, 119.065** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 40.296, 303.232**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 21.724, 108.532**, and **68, 37.912, 119.125** is the 20% darker color. If you saturate the color by 10%, you get **87, 49.306, 118.487**, and if you desaturate by 10%, it is **89, 25.860, 119.677**.

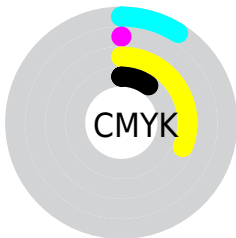
Distribution



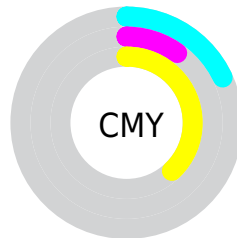
- Red (82%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (18%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 37.733, 119.065 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, 37.733, 119.065 by changing the saturation by 10% instead.


 88, 37.733,
119.065


 88, 37.733,
119.065


 100, 37.733,
119.065


 78, 37.733,
119.065

 68, 37.733,
119.065

 58, 37.733,
119.065

 48, 37.733,
119.065

 38, 37.733,
119.065


 28, 37.733,
119.065


 18, 37.733,

119.065

 8, 37.733, 119.065


 0, 37.733, 119.065


 88, 37.733,
119.065


 88, 37.733,
119.065

 87, 49.306,
118.487


 89, 25.860,
119.677


 87, 60.357,
117.976

 90, 13.825,
120.289


 86, 70.568,
117.595

 91, 1.728, 120.907

 85, 79.488,
117.429

 92, 10.366,
301.447

 85, 86.570,

 93, 14.083,
307.969

117.585

93, 14.878,
316.169

84, 91.338,
118.165

94, 15.946,
323.495

84, 93.732,
118.980

94, 16.213,
324.985

Harmonies

Complementary

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



88, 37.733, 119.065



69, 40.296, 303.232

Rectangle

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



88, 37.733, 119.065



88, 37.733, 169.065



88, 37.733, 299.065



88, 37.733, 349.065

Sweetspot

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



88, 37.735, 119.067



99, 11.870, 120.433



76, 23.928, 46.114



53, 8.248, 120.345



0, 0.000, 0.000



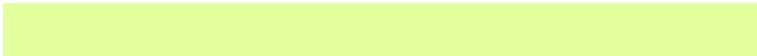
53, 0.007, 296.813

Same Dimension

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



88, 37.735, 119.067



96, 49.491, 118.668



86, 42.720, 136.186



48, 6.877, 120.409



67, 77.678, 118.754



19, 30.327, 118.354

Inverse Universe

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



69, 40.296, 303.232



71, 53.750, 303.842



72, 43.462, 319.176



44, 7.011, 301.549



23, 99.701, 308.071



3, 34.381, 303.568

Previews

White Background



This preview shows how the CIELCh color 88, 37.733, 119.065 looks on a white background.

Color Contrast Check

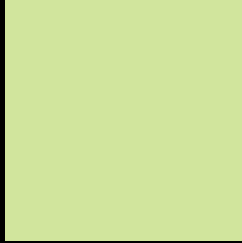
Large Text (above 18pt) WCAG AA × Fail

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, 37.733, 119.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

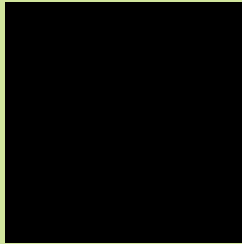
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

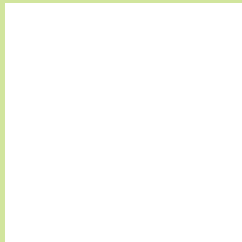
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 37.733, 119.065

Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.733, 119.065.



This preview shows how white text looks on a background with the CIELCh color 88, 37.733, 119.065.

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, 37.733, 119.065

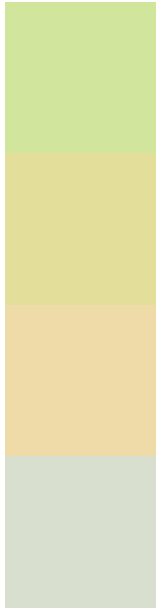
Protanopia
88, 35.348, 95.411

Deuteranopia
88, 27.305, 70.702



Tritanopia
88, 8.901, 293.157

Trichromacy



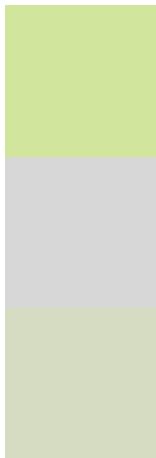
Original Color
88, 37.733, 119.065

Protanomaly
88, 35.523, 104.609

Deuteranomaly
88, 28.010, 92.318

Tritanomaly
88, 8.728, 126.533

Monochromacy



Original Color
88, 37.733, 119.065

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 13.809, 119.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 37.733, 119.065 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(209, 229, 157)` looks like.

```
.text, #text, p{  
    color:rgb(209, 229, 157)  
}
```

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(209, 229, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 229, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 37.733, 119.065 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(209, 229, 157) }
```

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

```
.border{ border-color:rgb(209, 229, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 229, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 229, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 229, 157);  
box-shadow:4px 4px 4px 4px rgb(209, 229,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 37.733, 119.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 229, 157) }
```

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

```
.background{ background-color: rgb(209,  
229, 157) }
```

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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