

Converting Colors

CIELCh(84, 37.038, 109.427)

Have a look what the booklet for
CIELCh(84, 37.038, 109.427)
contains.

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Color

CIELCh(84, 36.779, 109.480)

Conversions

Conversions Part 1

Format	Color
Hex	D2D68F
RGB	210, 214, 143
RGB Percent	82%, 84%, 56%
CMY	0.1748, 0.1591, 0.4377
CMYK	0.02, 0.00, 0.33, 0.16
HSL	63°, 47%, 70%
HSV	63°, 33%, 84%
XYZ	55.8410, 64.0658, 35.5673
YIQ	204.7100, 20.4070, -22.9290

Conversions

Conversions Part 2

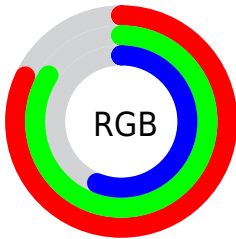
Format	Color
RYB	143, 214, 147
Decimal	13817487
CIELab	84.00, -12.26, 34.67
CIElCh	84, 36.779, 109.480
Yxy	64.0658, 0.3592, 0.4121
Android (android.graphics.Color)	4292007567 (0xFFD2D68F)
YUV	204.7100, -30.4230, 4.6393
Hunter-Lab	80.0411, -15.5406, 29.6825

Details

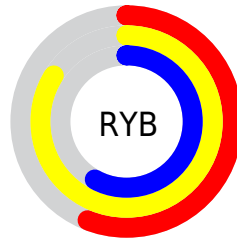
The CIELCh color **84, 36.779, 109.480** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **62, 39.909, 296.157**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 29.230, 107.956**, and **64, 36.380, 108.947** is the 20% darker color. If you saturate the color by 10%, you get **84, 47.376, 108.638**, and if you desaturate by 10%, it is **84, 25.848, 110.359**.

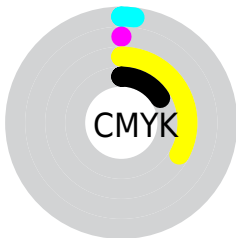
Distribution



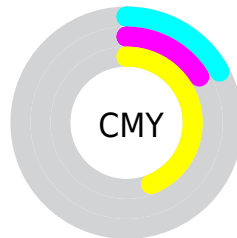
- Red (82%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (58%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)



- Cyan (17%)
- Magenta (16%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 36.779, 109.480 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 84, 36.779, 109.480 by changing the saturation by 10% instead.

 84, 36.779,
109.480

 84, 36.779,
109.480

 100, 36.779,
109.480


 74, 36.779,
109.480

 64, 36.779,
109.480

 54, 36.779,
109.480

 44, 36.779,
109.480

 34, 36.779,
109.480

 24, 36.779,
109.480

 14, 36.779,

109.480

■ 4, 36.779, 109.480

■ 0, 36.779, 109.480

■ 84, 36.779,
109.480

■ 84, 36.779,
109.480

■ 84, 47.376,
108.638

■ 84, 25.848,
110.359

■ 83, 57.413,
107.856

■ 85, 14.725,
111.243

■ 83, 66.557,
107.176

■ 86, 3.505, 112.111

■ 83, 74.351,
106.651

■ 86, 7.751, 292.987

■ 83, 80.260,

■ 87, 18.999,
293.812

106.336

87, 21.315,
294.838

82, 83.867,
106.276

87, 21.344,
295.920

82, 85.241,
106.357

87, 21.381,
297.002

87, 21.424,
298.083

Harmonies

Complementary

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



84, 36.779, 109.480



62, 39.909, 296.157

Rectangle

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



84, 36.779, 109.480



84, 36.779, 159.480



84, 36.779, 289.480



84, 36.779, 339.480

Sweetspot

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



84, 36.781, 109.483



99, 12.921, 111.509



67, 27.838, 26.018



53, 8.813, 111.385



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 36.781, 109.483



98, 50.750, 108.864



82, 40.018, 129.273



45, 6.367, 111.569



67, 71.959, 106.303



17, 25.046, 107.714

Inverse Universe

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



62, 39.909, 296.157



68, 56.320, 297.267



65, 41.700, 312.333



41, 6.508, 293.275



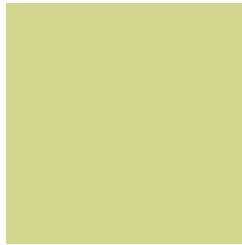
20, 98.828, 306.470



2, 27.631, 295.449

Previews

White Background



This preview shows how the CIELCh color 84, 36.779, 109.480 looks on a white background.

Color Contrast Check

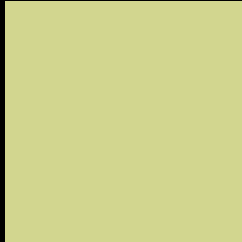
Large Text (above 18pt) WCAG AA × Fail

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 84, 36.779, 109.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

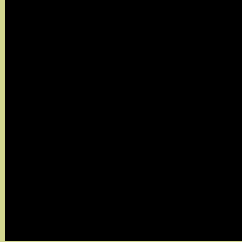
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 36.779, 109.480

Background



This preview shows how black text looks on a background with the CIELCh color 84, 36.779, 109.480.



This preview shows how white text looks on a background with the CIELCh color 84, 36.779, 109.480.

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

84, 36.779, 109.480

Protanopia

84, 36.164, 95.314

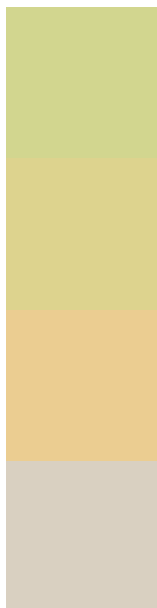
Deuteranopia

84, 35.188, 72.645



Tritanopia
84, 10.057, 323.098

Trichromacy



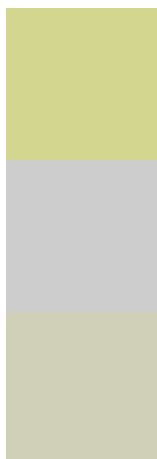
Original Color
84, 36.779, 109.480

Protanomaly
84, 36.052, 100.558

Deuteranomaly
84, 33.833, 86.103

Tritanomaly
84, 8.562, 86.218

Monochromacy



Original Color
84, 36.779, 109.480

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 13.152, 110.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 36.779, 109.480 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(210, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(210, 214, 143)  
}
```

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(210, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 214, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 36.779, 109.480 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(210, 214, 143) }
```

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

```
.border{ border-color:rgb(210, 214, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 214, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(210, 214,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 36.779, 109.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 214, 143) }
```

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

```
.background{ background-color: rgb(210,  
214, 143) }
```

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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