

Converting Colors

CIELCh(87, 37.401, 118.066)

Have a look what the booklet for
CIELCh(87, 37.401, 118.066)
contains.

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Color

CIELCh(87, 37.651, 117.898)

Conversions

Conversions Part 1

Format	Color
Hex	D0E29A
RGB	208, 226, 154
RGB Percent	82%, 89%, 60%
CMY	0.1850, 0.1144, 0.3967
CMYK	0.08, 0.00, 0.32, 0.11
HSL	75°, 55%, 74%
HSV	75°, 32%, 89%
XYZ	58.9282, 70.0064, 40.9042
YIQ	212.4100, 12.3840, -26.2080

Conversions

Conversions Part 2

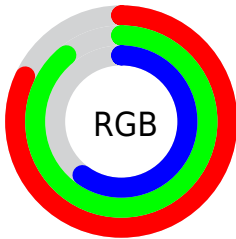
Format	Color
RYB	154, 226, 172
Decimal	13689498
CIELab	87.00, -17.62, 33.28
CIELCh	87, 37.651, 117.898
Yxy	70.0064, 0.3470, 0.4122
Android (android.graphics.Color)	4291879578 (0xFFD0E29A)
YUV	212.4100, -28.7961, -3.8676
Hunter-Lab	83.6698, -20.7056, 29.5834

Details

The CIELCh color **87, 37.651, 117.898** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 40.336, 302.348**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **67, 37.822, 117.883** is the 20% darker color. If you saturate the color by 10%, you get **86, 49.012, 117.296**, and if you desaturate by 10%, it is **88, 25.981, 118.535**.

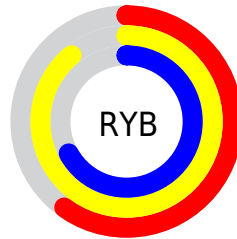
Distribution



Red (82%)

Green (89%)

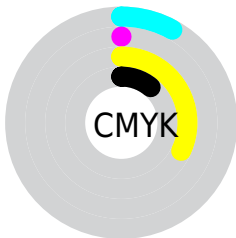
Blue (60%)



Red (60%)

Yellow (89%)

Blue (67%)

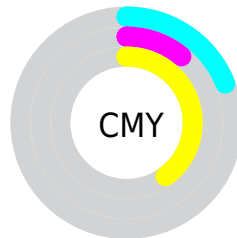


Cyan (8%)

Magenta (0%)

Yellow (32%)

Black (11%)



Cyan (19%)

Magenta (11%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.651, 117.898 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, 37.651, 117.898 by changing the saturation by 10% instead.

■ 87, 37.651,
117.898

■ 87, 37.651,
117.898

■ 100, 37.651,
117.898

■ 77, 37.651,
117.898

■ 67, 37.651,
117.898

■ 57, 37.651,
117.898

■ 47, 37.651,
117.898

■ 37, 37.651,
117.898

■ 27, 37.651,
117.898

■ 17, 37.651,

117.898

■ 7, 37.651, 117.898

■ 0, 37.651, 117.898

■ 87, 37.651,
117.898

■ 87, 37.651,
117.898

■ 86, 49.012,
117.296

■ 88, 25.981,
118.535

■ 86, 59.842,
116.762

■ 89, 14.142,
119.175

■ 85, 69.820,
116.359

■ 90, 2.231, 119.812

■ 84, 78.495,
116.169

■ 91, 9.684, 300.394

■ 84, 85.323,

■ 91, 15.592,
304.328

116.294

92, 16.150,
311.095

84, 89.842,
116.831

92, 16.915,
317.399

83, 91.985,
117.545

93, 17.867,
323.157

93, 18.244,
325.058

Harmonies

Complementary

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



87, 37.651, 117.898



67, 40.336, 302.348

Rectangle

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



87, 37.651, 117.898



87, 37.651, 167.898



87, 37.651, 297.898



87, 37.651, 347.898

Sweetspot

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



87, 37.653, 117.900



99, 13.138, 119.290



75, 24.196, 44.348



53, 8.963, 119.200



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, 37.653, 117.900



96, 49.266, 117.509



85, 42.603, 135.679



47, 6.725, 119.330



66, 76.247, 117.332



18, 28.725, 117.324

Inverse Universe

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



67, 40.336, 302.348



71, 53.654, 302.960



71, 43.419, 318.675



43, 6.860, 300.525



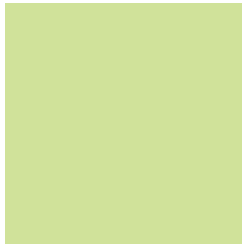
23, 99.059, 307.765



3, 32.146, 301.894

Previews

White Background



This preview shows how the CIELCh color 87, 37.651, 117.898 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 87, 37.651, 117.898 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, 37.651, 117.898

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.651, 117.898.

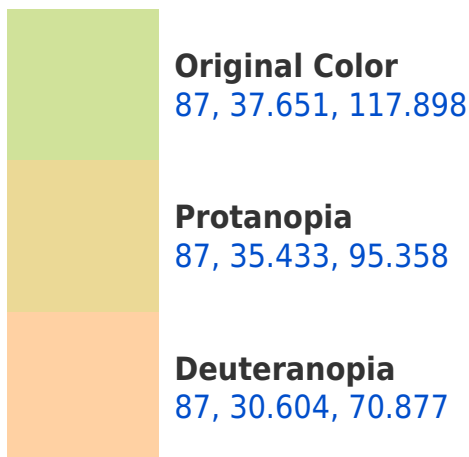


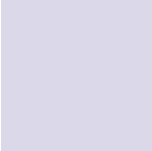
This preview shows how white text looks on a background with the CIELCh color 87, 37.651, 117.898.

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](#).

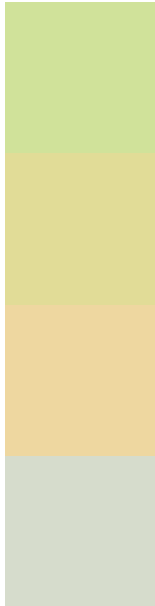
Dichromacy





Tritanopia
87, 8.949, 295.400

Trichromacy



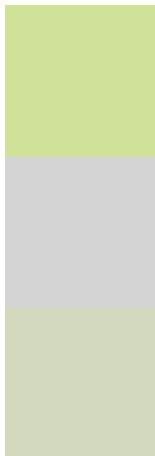
Original Color
87, 37.651, 117.898

Protanomaly
87, 35.624, 103.923

Deuteranomaly
87, 30.080, 89.903

Tritanomaly
87, 8.644, 124.230

Monochromacy



Original Color
87, 37.651, 117.898

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 13.845, 119.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.651, 117.898 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(208, 226, 154)` looks like.

```
.text, #text, p{  
    color:rgb(208, 226, 154)  
}
```

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(208, 226, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 226, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.651, 117.898 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(208, 226, 154) }
```

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

```
.border{ border-color:rgb(208, 226, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 226, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 226, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 226, 154);  
box-shadow:4px 4px 4px 4px rgb(208, 226,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.651, 117.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 226, 154) }
```

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

```
.background{ background-color: rgb(208,  
226, 154) }
```

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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