

Converting Colors

CIELCh(87, 39.776, 113.739)

Have a look what the booklet for
CIELCh(87, 39.776, 113.739)
contains.

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Color

CIELCh(87, 39.748, 113.750)

Conversions

Conversions Part 1

Format	Color
Hex	D5E194
RGB	213, 225, 148
RGB Percent	84%, 88%, 58%
CMY	0.1654, 0.1183, 0.4203
CMYK	0.05, 0.00, 0.34, 0.12
HSL	69°, 56%, 73%
HSV	69°, 34%, 88%
XYZ	59.5977, 70.0064, 38.3191
YIQ	212.6340, 17.5650, -26.4910

Conversions

Conversions Part 2

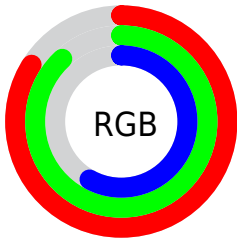
Format	Color
RYB	148, 225, 160
Decimal	14016916
CIELab	87.00, -16.01, 36.38
CIELCh	87, 39.748, 113.750
Yxy	70.0064, 0.3549, 0.4169
Android (android.graphics.Color)	4292206996 (0xFFD5E194)
YUV	212.6340, -31.8646, 0.3210
Hunter-Lab	83.6698, -19.2774, 31.4153

Details

The CIELCh color **87, 39.748, 113.750** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 43.120, 299.514**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 26.235, 108.186**, and **67, 39.979, 114.027** is the 20% darker color. If you saturate the color by 10%, you get **86, 50.797, 113.052**, and if you desaturate by 10%, it is **88, 28.335, 114.491**.

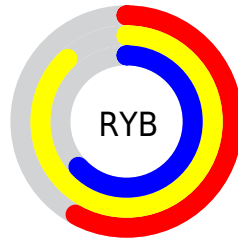
Distribution



Red (84%)

Green (88%)

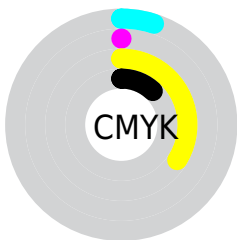
Blue (58%)



Red (58%)

Yellow (88%)

Blue (63%)

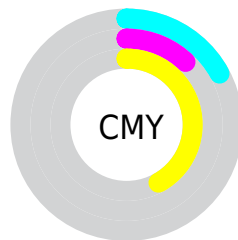


Cyan (5%)

Magenta (0%)

Yellow (34%)

Black (12%)



Cyan (17%)

Magenta (12%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 39.748, 113.750 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, 39.748, 113.750 by changing the saturation by 10% instead.

■ 87, 39.748,
113.750

■ 87, 39.748,
113.750

■ 100, 39.748,
113.750

■ 77, 39.748,
113.750

■ 67, 39.748,
113.750

■ 57, 39.748,
113.750

■ 47, 39.748,
113.750

■ 37, 39.748,
113.750

■ 27, 39.748,
113.750

■ 17, 39.748,

113.750

■ 7, 39.748, 113.750

■ 0, 39.748, 113.750

■ 87, 39.748,
113.750

■ 87, 39.748,
113.750

■ 86, 50.797,
113.052

■ 88, 28.335,
114.491

■ 86, 61.236,
112.428

■ 88, 16.711,
115.240

■ 85, 70.710,
111.937

■ 89, 4.982, 115.980

■ 85, 78.732,
111.650

■ 90, 6.781, 296.702

■ 85, 84.751,

■ 91, 15.824,
298.237

111.653

91, 16.021,
302.495

84, 88.368,
112.013

91, 16.303,
306.657

84, 89.602,
112.348

92, 16.667,
310.685

92, 17.108,
314.550

Harmonies

Complementary

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



87, 39.748, 113.750



65, 43.120, 299.514

Rectangle

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



87, 39.748, 113.750



87, 39.748, 163.750



87, 39.748, 293.750



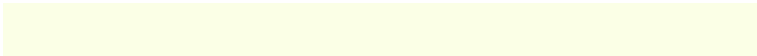
87, 39.748, 343.750

Sweetspot

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



87, 39.750, 113.753



99, 13.002, 115.551



72, 27.741, 34.568



53, 8.869, 115.446



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, 39.750, 113.753



97, 52.330, 113.253



84, 44.207, 132.513



47, 6.656, 115.597



68, 74.568, 112.203



18, 28.226, 112.492

Inverse Universe

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



65, 43.120, 299.514



68, 57.959, 300.384



68, 45.608, 315.616



43, 6.800, 297.024



21, 100.249, 306.946



2, 31.908, 299.596

Previews

White Background



This preview shows how the CIELCh color 87, 39.748, 113.750 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, 39.748, 113.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

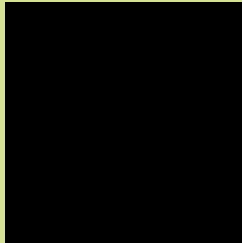
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

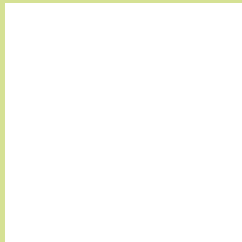
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 39.748, 113.750

Background



This preview shows how black text looks on a background with the CIELCh color 87, 39.748, 113.750.

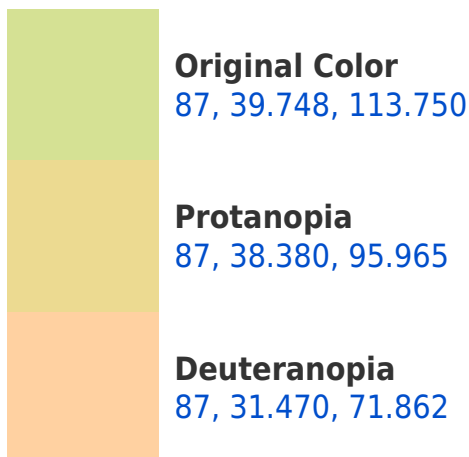


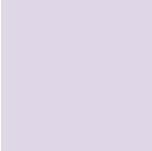
This preview shows how white text looks on a background with the CIELCh color 87, 39.748, 113.750.

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](#).

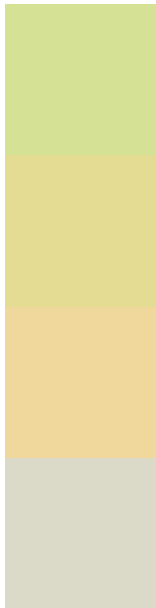
Dichromacy





Tritanopia
87, 9.505, 310.394

Trichromacy



Original Color
87, 39.748, 113.750

Protanomaly
87, 38.217, 102.084

Deuteranomaly
87, 32.311, 89.392

Tritanomaly
87, 8.868, 107.026

Monochromacy



Original Color
87, 39.748, 113.750

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 14.743, 116.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 39.748, 113.750 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(213, 225, 148)` looks like.

```
.text, #text, p{  
    color:rgb(213, 225, 148)  
}
```

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(213, 225, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 225, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 39.748, 113.750 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(213, 225, 148) }
```

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

```
.border{ border-color:rgb(213, 225, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 225, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 225, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 225, 148);  
box-shadow:4px 4px 4px 4px rgb(213, 225,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 39.748, 113.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 225, 148) }
```

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

```
.background{ background-color: rgb(213,  
225, 148) }
```

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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