

Converting Colors

CIELCh(87, 38.916, 119.801)

Have a look what the booklet for
CIELCh(87, 38.916, 119.801)
contains.

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Color

CIELCh(87, 38.945, 119.793)

Conversions

Conversions Part 1

Format	Color
Hex	CDE399
RGB	205, 227, 153
RGB Percent	80%, 89%, 60%
CMY	0.1972, 0.1109, 0.4011
CMYK	0.10, 0.00, 0.33, 0.11
HSL	78°, 57%, 74%
HSV	78°, 33%, 89%
XYZ	58.2122, 70.0064, 40.4617
YIQ	211.9860, 10.6420, -27.6780

Conversions

Conversions Part 2

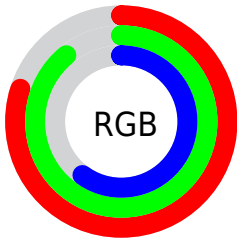
Format	Color
RYB	153, 227, 175
Decimal	13493145
CIELab	87.00, -19.35, 33.80
CIElCh	87, 38.945, 119.793
Yxy	70.0064, 0.3451, 0.4150
Android (android.graphics.Color)	4291683225 (0xFFCDE399)
YUV	211.9860, -29.0801, -6.1267
Hunter-Lab	83.6698, -22.2330, 29.8969

Details

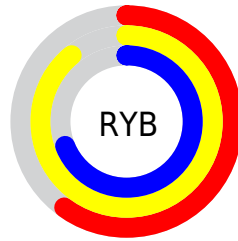
The CIELCh color $87, 38.945, 119.793$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $68, 41.639, 303.983$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 23.732, 108.378$, and $67, 39.178, 119.862$ is the 20% darker color. If you saturate the color by 10%, you get $86, 50.422, 119.238$, and if you desaturate by 10%, it is $88, 27.153, 120.385$.

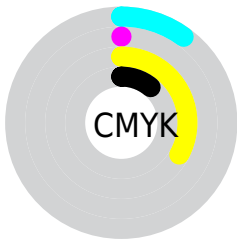
Distribution



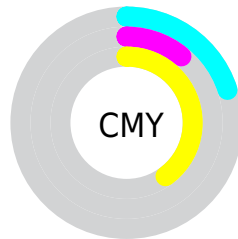
- Red (80%)
- Green (89%)
- Blue (60%)



- Red (60%)
- Yellow (89%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)





- Cyan (20%)
- Magenta (11%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 38.945, 119.793 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, 38.945, 119.793 by changing the saturation by 10% instead.


 87, 38.945,
119.793

 87, 38.945,
119.793


 100, 38.945,
119.793


 77, 38.945,
119.793

 67, 38.945,
119.793

 57, 38.945,
119.793

 47, 38.945,
119.793

 37, 38.945,
119.793

 27, 38.945,
119.793

 17, 38.945,

119.793

■ 7, 38.945, 119.793

■ 0, 38.945, 119.793

■ 87, 38.945,
119.793

■ 87, 38.945,
119.793

■ 86, 50.422,
119.238

■ 88, 27.153,
120.385

■ 85, 61.354,
118.756

■ 89, 15.191,
120.979

■ 85, 71.413,
118.414

■ 90, 3.161, 121.571

■ 84, 80.138,
118.301

■ 91, 8.867, 302.103

■ 84, 86.986,

■ 92, 15.263,
306.560

118.530

92, 16.043,
314.658

83, 91.512,
119.201

93, 17.111,
321.972

83, 93.559,
119.943

93, 17.686,
325.038

Harmonies

Complementary

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



87, 38.945, 119.793



68, 41.639, 303.983

Rectangle

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



87, 38.945, 119.793



87, 38.945, 169.793



87, 38.945, 299.793



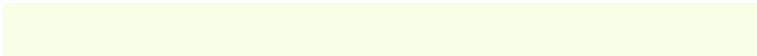
87, 38.945, 349.793

Sweetspot

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



87, 38.947, 119.795



99, 13.227, 121.131



75, 24.603, 47.857



53, 9.024, 121.048



0, 0.000, 0.000



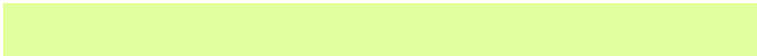
53, 0.007, 296.813

Same Dimension

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



87, 38.947, 119.795



96, 50.920, 119.420



85, 44.192, 136.587



47, 6.771, 121.168



66, 77.295, 119.702



18, 29.051, 119.602

Inverse Universe

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



68, 41.639, 303.983



70, 55.327, 304.556



71, 44.914, 319.744



43, 6.900, 302.265



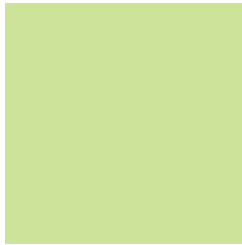
23, 98.310, 308.325



3, 32.309, 303.219

Previews

White Background



This preview shows how the CIELCh color 87, 38.945, 119.793 looks on a white background.

Color Contrast Check

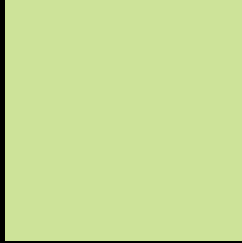
Large Text (above 18pt) WCAG AA × Fail

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, 38.945, 119.793 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, 38.945, 119.793

Background



This preview shows how black text looks on a background with the CIELCh color 87, 38.945, 119.793.



This preview shows how white text looks on a background with the CIELCh color 87, 38.945, 119.793.

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
87, 38.945, 119.793

Protanopia
87, 35.930, 95.466

Deuteranopia
87, 30.604, 70.877



Tritanopia
87, 8.906, 288.687

Trichromacy



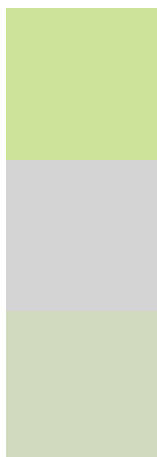
Original Color
87, 38.945, 119.793

Protanomaly
87, 36.564, 105.188

Deuteranomaly
87, 30.447, 90.854

Tritanomaly
87, 9.483, 129.773

Monochromacy



Original Color
87, 38.945, 119.793

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 14.435, 120.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 38.945, 119.793 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(205, 227, 153)` looks like.

```
.text, #text, p{  
    color:rgb(205, 227, 153)  
}
```

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(205, 227, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 227, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 38.945, 119.793 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(205, 227, 153) }
```

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

```
.border{ border-color:rgb(205, 227, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 227, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 227, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 227, 153);  
box-shadow:4px 4px 4px 4px rgb(205, 227,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 38.945, 119.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 227, 153) }
```

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

```
.background{ background-color: rgb(205,  
227, 153) }
```

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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