

Converting Colors

CIELCh(87, 32.977, 125.852)

Have a look what the booklet for
CIELCh(87, 32.977, 125.852)
contains.

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Color

CIELCh(87, 33.172, 125.736)

Conversions

Conversions Part 1

Format	Color
Hex	C8E3A6
RGB	200, 227, 166
RGB Percent	78%, 89%, 65%
CMY	0.2155, 0.1096, 0.3488
CMYK	0.12, 0.00, 0.27, 0.11
HSL	87°, 52%, 77%
HSV	87°, 27%, 89%
XYZ	58.2025, 70.0064, 46.5440
YIQ	211.9730, 3.4890, -24.6950

Conversions

Conversions Part 2

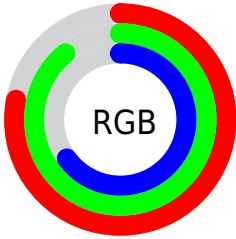
Format	Color
RYB	166, 227, 193
Decimal	13165478
CIELab	87.00, -19.37, 26.93
CIELCh	87, 33.172, 125.736
Yxy	70.0064, 0.3331, 0.4006
Android (android.graphics.Color)	4291355558 (0xFFC8E3A6)
YUV	211.9730, -22.6647, -10.5003
Hunter-Lab	83.6698, -22.2537, 25.5869

Details

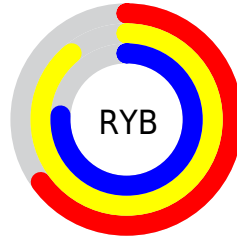
The CIELCh color **87, 33.172, 125.736** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 34.608, 308.444**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **67, 33.310, 126.269** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.287, 125.241**, and if you desaturate by 10%, it is **88, 20.865, 126.241**.

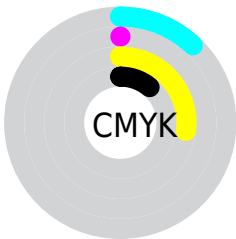
Distribution



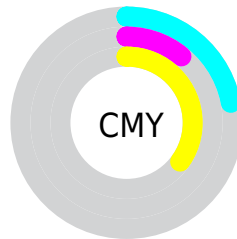
- Red (78%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)





- Cyan (22%)
- Magenta (11%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 33.172, 125.736 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, 33.172, 125.736 by changing the saturation by 10% instead.


 87, 33.172,
125.736


 87, 33.172,
125.736


 100, 33.172,
125.736


 77, 33.172,
125.736

 67, 33.172,
125.736

 57, 33.172,
125.736

 47, 33.172,
125.736

 37, 33.172,
125.736


 27, 33.172,
125.736


 17, 33.172,


125.736


 7, 33.172, 125.736


 0, 33.172, 125.736

 87, 33.172,
125.736

 87, 33.172,
125.736

 86, 45.287,
125.241


 88, 20.865,
126.241


 85, 57.020,
124.783

 89, 8.486, 126.735


 84, 68.108,
124.420

 91, 3.876, 307.153

 83, 78.165,
124.233

 92, 15.236,
308.600

 83, 86.689,

 93, 16.618,
320.244

124.337

93, 17.471,
325.030

82, 93.145,
124.858

82, 97.245,
125.877

82, 98.256,
126.239

Harmonies

Complementary

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



87, 33.172, 125.736



72, 34.608, 308.444

Rectangle

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



87, 33.172, 125.736



87, 33.172, 175.736



87, 33.172, 305.736



87, 33.172, 355.736

Sweetspot

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



87, 33.174, 125.738



99, 10.864, 126.677



80, 19.760, 64.881



53, 7.723, 126.602



0, 0.000, 0.000



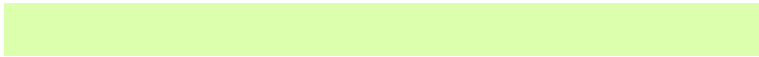
53, 0.007, 296.813

Same Dimension

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



87, 33.174, 125.738



96, 43.311, 125.470



85, 38.251, 140.977



48, 7.083, 126.607



66, 81.886, 125.978



18, 31.735, 125.467

Inverse Universe

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



72, 34.608, 308.444



77, 45.609, 308.764



75, 38.391, 323.991



45, 7.192, 307.485



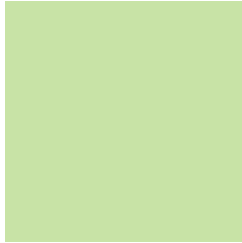
26, 96.628, 310.700



4, 35.275, 309.006

Previews

White Background



This preview shows how the CIELCh color 87, 33.172, 125.736 looks on a white background.

Color Contrast Check

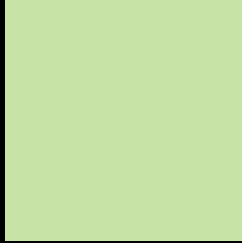
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 87, 33.172, 125.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

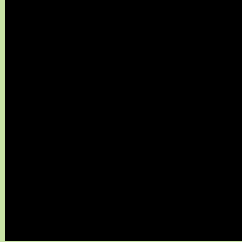
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 33.172, 125.736

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.172, 125.736.

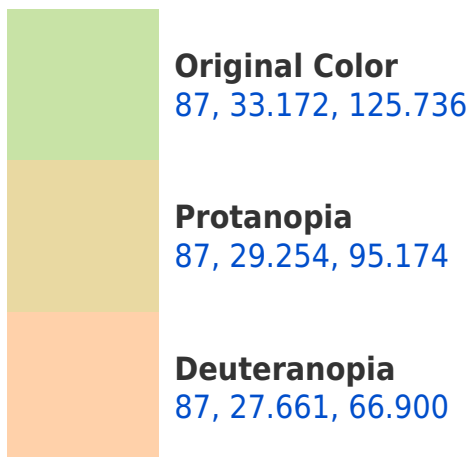


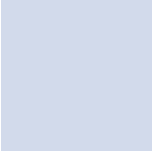
This preview shows how white text looks on a background with the CIELCh color 87, 33.172, 125.736.

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](#).

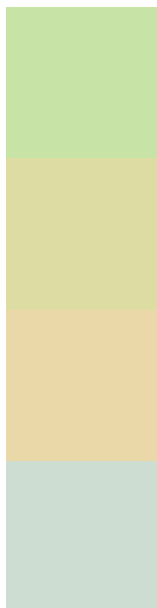
Dichromacy





Tritanopia
87, 9.265, 273.605

Trichromacy



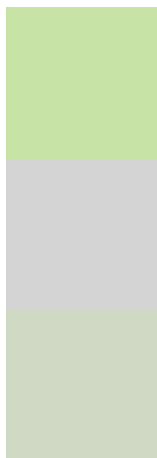
Original Color
87, 33.172, 125.736

Protanomaly
87, 29.977, 107.635

Deuteranomaly
87, 25.594, 91.056

Tritanomaly
87, 7.941, 152.560

Monochromacy



Original Color
87, 33.172, 125.736

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 12.000, 125.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.172, 125.736 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(200, 227, 166)` looks like.

```
.text, #text, p{  
    color:rgb(200, 227, 166)  
}
```

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(200, 227, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 227, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.172, 125.736 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(200, 227, 166) }
```

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

```
.border{ border-color:rgb(200, 227, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 227, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 227, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 227, 166);  
box-shadow:4px 4px 4px 4px rgb(200, 227,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.172, 125.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 227, 166) }
```

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

```
.background{ background-color: rgb(200,  
227, 166) }
```

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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