

Converting Colors

CIELCh(87, 36.441, 123.302)

Have a look what the booklet for
CIELCh(87, 36.441, 123.302)
contains.

CIELCh(87, 36.441, 123.302)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 36.441, 123.302)

Conversions

Conversions Part 1

Format	Color
Hex	C9E39F
RGB	201, 227, 159
RGB Percent	79%, 89%, 62%
CMY	0.2110, 0.1090, 0.3757
CMYK	0.11, 0.00, 0.30, 0.11
HSL	83°, 55%, 76%
HSV	83°, 30%, 89%
XYZ	57.9423, 70.0064, 43.3478
YIQ	211.4740, 6.3320, -26.6600

Conversions

Conversions Part 2

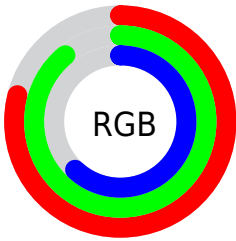
Format	Color
RYB	159, 227, 185
Decimal	13231007
CIELab	87.00, -20.01, 30.46
CIElCh	87, 36.441, 123.302
Yxy	70.0064, 0.3383, 0.4087
Android (android.graphics.Color)	4291421087 (0xFFC9E39F)
YUV	211.4740, -25.8697, -9.1857
Hunter-Lab	83.6698, -22.8090, 27.8518

Details

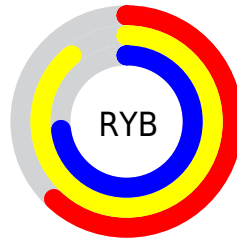
The CIELCh color $87, 36.441, 123.302$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $70, 38.439, 306.612$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 20.719, 108.609$, and $67, 36.661, 123.614$ is the 20% darker color. If you saturate the color by 10%, you get $86, 48.277, 122.792$, and if you desaturate by 10%, it is $88, 24.352, 123.836$.

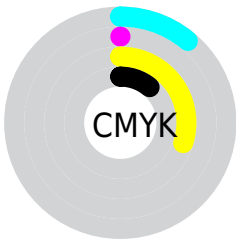
Distribution



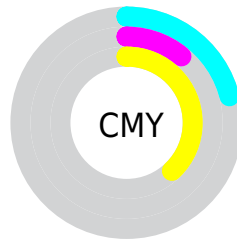
- Red (79%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (21%)
- Magenta (11%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 36.441, 123.302 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, 36.441, 123.302 by changing the saturation by 10% instead.


 87, 36.441,
123.302


 87, 36.441,
123.302


 100, 36.441,
123.302


 77, 36.441,
123.302

 67, 36.441,
123.302

 57, 36.441,
123.302

 47, 36.441,
123.302

 37, 36.441,
123.302


 27, 36.441,
123.302


 17, 36.441,


123.302

 7, 36.441, 123.302


 0, 36.441, 123.302

 87, 36.441,
123.302


 87, 36.441,
123.302

 86, 48.277,
122.792


 88, 24.352,
123.836


 85, 59.652,
122.338

 89, 12.143,
124.364


 84, 70.269,
122.005

 90, 0.090, 303.912

 84, 79.706,
121.881

 92, 12.282,
305.329

 83, 87.433,

 92, 15.663,
313.836

122.084

93, 17.056,
323.367

83, 92.950,
122.732

93, 17.373,
325.027

82, 96.313,
123.821

82, 96.333,
123.828

Harmonies

Complementary

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



87, 36.441, 123.302



70, 38.439, 306.612

Rectangle

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



87, 36.441, 123.302



87, 36.441, 173.302



87, 36.441, 303.302



87, 36.441, 353.302

Sweetspot

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



87, 36.443, 123.304



99, 12.078, 124.410



78, 22.053, 57.160



53, 8.394, 124.334



0, 0.000, 0.000



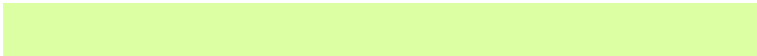
53, 0.007, 296.813

Same Dimension

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



87, 36.443, 123.304



96, 47.937, 122.977



85, 41.719, 139.036



48, 6.998, 124.389



66, 80.268, 123.573



19, 31.177, 123.045

Inverse Universe

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



70, 38.439, 306.612



73, 51.220, 307.050



73, 42.069, 322.165



44, 7.118, 305.344



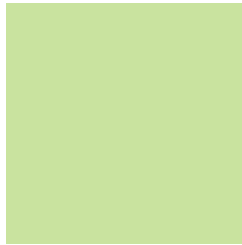
25, 97.826, 309.585



3, 34.915, 306.915

Previews

White Background



This preview shows how the CIELCh color 87, 36.441, 123.302 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, 36.441, 123.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

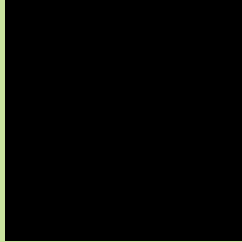
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

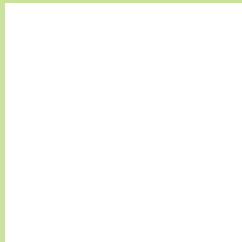
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 36.441, 123.302

Background



This preview shows how black text looks on a background with the CIELCh color 87, 36.441, 123.302.

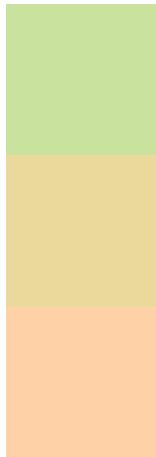


This preview shows how white text looks on a background with the CIELCh color 87, 36.441, 123.302.

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](#).

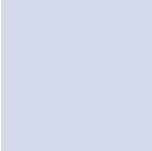
Dichromacy



Original Color
87, 36.441, 123.302

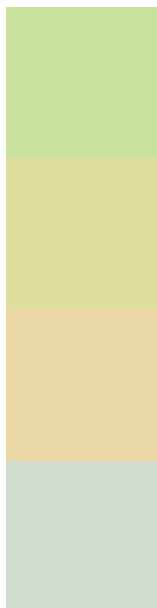
Protanopia
87, 32.851, 95.434

Deuteranopia
87, 29.325, 69.279



Tritanopia
87, 9.099, 277.753

Trichromacy



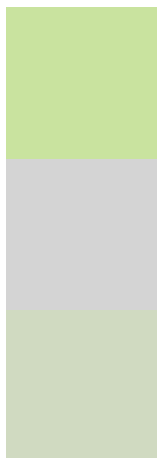
Original Color
87, 36.441, 123.302

Protanomaly
87, 33.021, 106.686

Deuteranomaly
87, 28.082, 92.271

Tritanomaly
87, 8.744, 142.209

Monochromacy



Original Color
87, 36.441, 123.302

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 13.602, 124.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 36.441, 123.302 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(201, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(201, 227, 159)  
}
```

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(201, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 227, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 36.441, 123.302 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(201, 227, 159) }
```

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

```
.border{ border-color:rgb(201, 227, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 227, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 227, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 227, 159); box-shadow:4px 4px 4px 4px rgb(201, 227, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 36.441, 123.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 227, 159) }
```

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

```
.background{ background-color: rgb(201,  
227, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor