

Converting Colors

CIELCh(87, 43.303, 122.721)

Have a look what the booklet for
CIELCh(87, 43.303, 122.721)
contains.

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Color

CIELCh(87, 43.671, 122.829)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C6E593 |
| RGB | 198, 229, 147 |
| RGB Percent | 78%, 90%, 58% |
| CMY | 0.2243, 0.1027, 0.4243 |
| CMYK | 0.14, 0.00, 0.36, 0.10 |
| HSL | 83°, 61%, 74% |
| HSV | 83°, 36%, 90% |
| XYZ | 56.4515, 70.0064, 38.0635 |
| YIQ | 210.3830, 7.8460, -32.0740 |

Conversions

Conversions Part 2

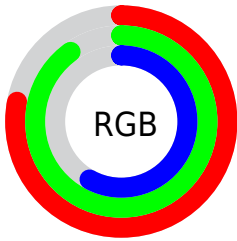
| Format | Color |
|-------------------------------------|--|
| RYB | 147, 229, 178 |
| Decimal | 13034899 |
| CIELab | 87.00, -23.68, 36.70 |
| CIElCh | 87, 43.671, 122.829 |
| Yxy | 70.0064, 0.3431, 0.4255 |
| Android (android.graphics.Color) | 4291224979 (0xFFC6E593) |
| YUV | 210.3830, -31.2478, -10.8599 |
| Hunter-Lab | 83.6698, -25.9893, 31.5964 |

Details

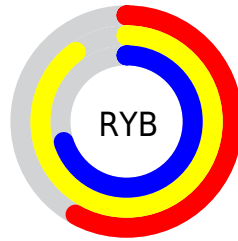
The CIELCh color **87, 43.671, 122.829** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66, 46.649, 306.884**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 26.735, 108.148**, and **67, 43.495, 122.672** is the 20% darker color. If you saturate the color by 10%, you get **86, 55.318, 122.345**, and if you desaturate by 10%, it is **88, 31.658, 123.358**.

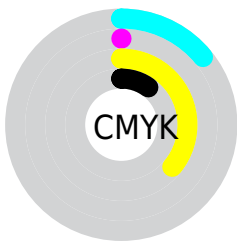
Distribution



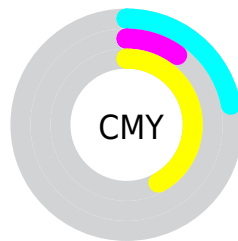
- Red (78%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (70%)



- Cyan (14%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)





- Cyan (22%)
- Magenta (10%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 43.671, 122.829 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, 43.671, 122.829 by changing the saturation by 10% instead.


 87, 43.671,
122.829


 87, 43.671,
122.829


 100, 43.671,
122.829


 77, 43.671,
122.829

 67, 43.671,
122.829

 57, 43.671,
122.829

 47, 43.671,
122.829

 37, 43.671,
122.829


 27, 43.671,
122.829

 17, 43.671,


122.829


 7, 43.671, 122.829


 0, 43.671, 122.829


 87, 43.671,
122.829


 87, 43.671,
122.829

 86, 55.318,
122.345

 88, 31.658,
123.358


 85, 66.336,
121.951

 89, 19.448,
123.893


 85, 76.355,
121.728

 90, 7.160, 124.421

 84, 84.878,
121.780

 91, 5.123, 304.889

 83, 91.362,

 93, 14.256,
308.410

122.232

93, 15.422,
319.195

83, 95.463,
123.175

94, 16.372,
324.991

83, 96.708,
123.653

Harmonies

Complementary

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



87, 43.671, 122.829



66, 46.649, 306.884

Rectangle

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



87, 43.671, 122.829



87, 43.671, 172.829



87, 43.671, 302.829



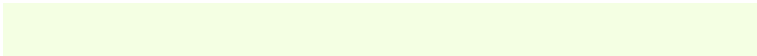
87, 43.671, 352.829

Sweetspot

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



87, 43.673, 122.831



99, 14.753, 124.145



76, 27.110, 56.690



52, 9.913, 124.073



0, 0.000, 0.000



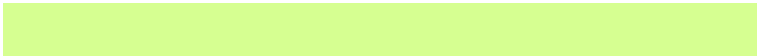
53, 0.007, 296.813

Same Dimension

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



87, 43.673, 122.831



95, 56.837, 122.464



85, 50.108, 138.608



48, 6.993, 124.230



66, 80.156, 123.393



19, 31.139, 122.866

Inverse Universe

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



66, 46.649, 306.884



68, 61.704, 307.424



70, 50.578, 322.429



44, 7.113, 305.191



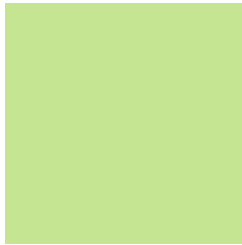
25, 97.909, 309.513



3, 34.890, 306.769

Previews

White Background



This preview shows how the CIELCh color 87, 43.671, 122.829 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, 43.671, 122.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

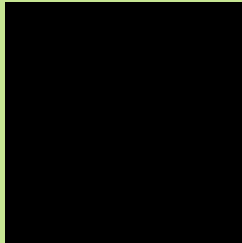
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 43.671, 122.829

Background



This preview shows how black text looks on a background with the CIELCh color 87, 43.671, 122.829.

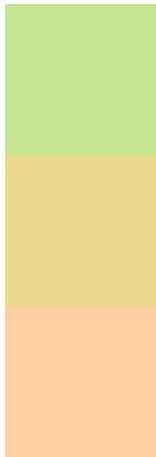


This preview shows how white text looks on a background with the CIELCh color 87, 43.671, 122.829.

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](#).

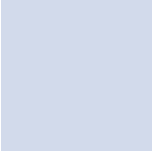
Dichromacy



Original Color
87, 43.671, 122.829

Protanopia
87, 39.482, 95.529

Deuteranopia
87, 31.906, 72.332



Tritanopia
87, 9.265, 273.605

Trichromacy



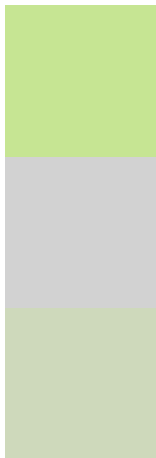
Original Color
87, 43.671, 122.829

Protanomaly
87, 39.544, 106.229

Deuteranomaly
86, 32.471, 94.593

Tritanomaly
87, 11.558, 139.664

Monochromacy



Original Color
87, 43.671, 122.829

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 16.232, 123.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 43.671, 122.829 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(198, 229, 147)` looks like.

```
.text, #text, p{  
    color:rgb(198, 229, 147)  
}
```

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(198, 229, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 229, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 43.671, 122.829 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(198, 229, 147) }
```

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

```
.border{ border-color:rgb(198, 229, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 229, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 229, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 229, 147);  
box-shadow:4px 4px 4px 4px rgb(198, 229,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 43.671, 122.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 229, 147) }
```

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

```
.background{ background-color: rgb(198,  
229, 147) }
```

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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