

Converting Colors

CIELCh(87, 22.276, 128.764)

Have a look what the booklet for
CIELCh(87, 22.276, 128.764)
contains.

CIELCh(87, 22.255, 129.146)	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, 22.255, 129.146)

Conversions

Conversions Part 1

Format	Color
Hex	CCE1B9
RGB	204, 225, 185
RGB Percent	80%, 88%, 73%
CMY	0.2010, 0.1186, 0.2755
CMYK	0.09, 0.00, 0.18, 0.12
HSL	92°, 40%, 80%
HSV	92°, 18%, 88%
XYZ	60.4198, 70.0064, 56.0901
YIQ	214.1610, 0.3240, -16.8920

Conversions

Conversions Part 2

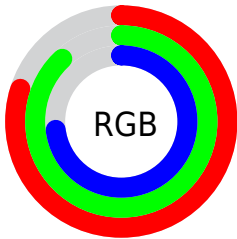
Format	Color
RYB	185, 225, 206
Decimal	13427129
CIELab	87.00, -14.05, 17.26
CIELCh	87, 22.255, 129.146
Yxy	70.0064, 0.3239, 0.3753
Android (android.graphics.Color)	4291617209 (0xFFCCE1B9)
YUV	214.1610, -14.3764, -8.9112
Hunter-Lab	83.6698, -17.5235, 18.8224

Details

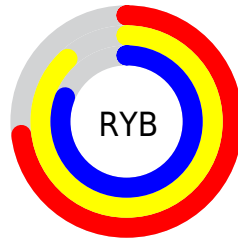
The CIELCh color **87, 22.255, 129.146** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 22.774, 310.743**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **67, 22.282, 128.992** is the 20% darker color. If you saturate the color by 10%, you get **86, 34.723, 128.663**, and if you desaturate by 10%, it is **88, 9.732, 129.617**.

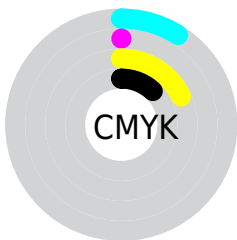
Distribution



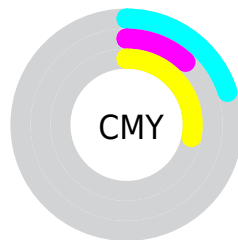
- Red (80%)
- Green (88%)
- Blue (73%)



- Red (73%)
- Yellow (88%)
- Blue (81%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)





- Cyan (20%)
- Magenta (12%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.255, 129.146 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, 22.255, 129.146 by changing the saturation by 10% instead.


 87, 22.255,
129.146


 87, 22.255,
129.146


 100, 22.255,
129.146


 77, 22.255,
129.146

 67, 22.255,
129.146

 57, 22.255,
129.146

 47, 22.255,
129.146

 37, 22.255,
129.146


 27, 22.255,
129.146

 17, 22.255,

129.146

 7, 22.255, 129.146


 0, 22.255, 129.146

 87, 22.255,
129.146

 87, 22.255,
129.146


 86, 34.723,
128.663


 88, 9.732, 129.617


 85, 46.994,
128.178

 90, 2.757, 309.981


 84, 58.877,
127.725

 91, 15.143,
310.413

 83, 70.090,
127.361

 92, 18.179,
321.300

 82, 80.238,

 93, 18.921,
325.082

127.173

■ 81, 88.809,
127.279

■ 81, 95.274,
127.809

■ 80, 99.412,
128.818

■ 80, 100.168,
129.055

Harmonies

Complementary

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



87, 22.255, 129.146



78, 22.774, 310.743

Rectangle

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



87, 22.255, 129.146



87, 22.255, 179.146



87, 22.255, 309.146



87, 22.255, 359.146

Sweetspot

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



87, 22.257, 129.148



99, 6.907, 129.746



84, 13.170, 74.951



53, 4.714, 129.713



0, 0.000, 0.000



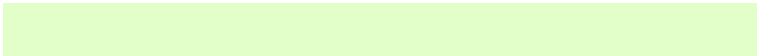
53, 0.007, 296.813

Same Dimension

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



87, 22.257, 129.148



97, 29.096, 128.987



86, 25.366, 143.764



47, 7.084, 129.540



64, 83.201, 128.791



17, 31.058, 128.816

Inverse Universe

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



78, 22.774, 310.743



85, 29.903, 310.909



80, 25.389, 325.861



44, 7.176, 310.343



28, 93.925, 312.523



4, 33.656, 311.258

Previews

White Background



This preview shows how the CIELCh color 87, 22.255, 129.146 looks on a white background.

Color Contrast Check

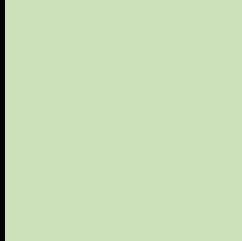
Large Text (above 18pt) WCAG AA × Fail

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, 22.255, 129.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

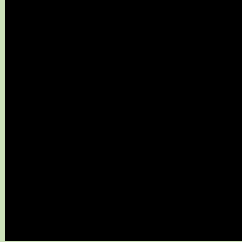
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

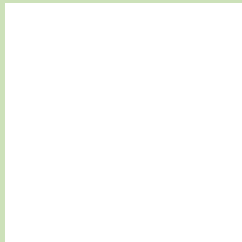
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 22.255, 129.146

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.255, 129.146.

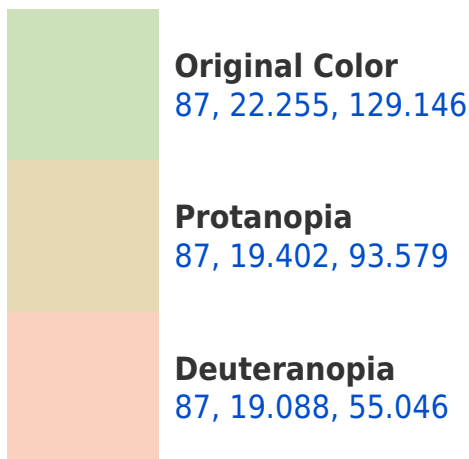


This preview shows how white text looks on a background with the CIELCh color 87, 22.255, 129.146.

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](#).

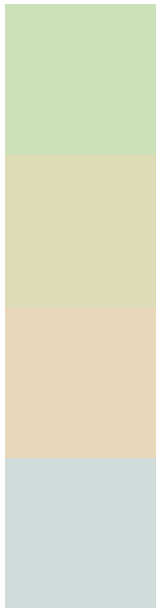
Dichromacy





Tritanopia
87, 9.176, 275.658

Trichromacy



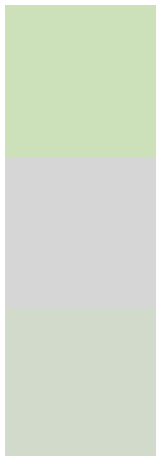
Original Color
87, 22.255, 129.146

Protanomaly
87, 19.739, 108.506

Deuteranomaly
87, 16.167, 83.638

Tritanomaly
87, 4.576, 179.139

Monochromacy



Original Color
87, 22.255, 129.146

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.394, 129.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.255, 129.146 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(204, 225, 185)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 185)  
}
```

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(204, 225, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.255, 129.146 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(204, 225, 185) }
```

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

```
.border{ border-color:rgb(204, 225, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 185);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.255, 129.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 185) }
```

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

```
.background{ background-color: rgb(204,  
225, 185) }
```

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