

Converting Colors

CIELCh(86, 27.916, 128.163)

Have a look what the booklet for
CIELCh(86, 27.916, 128.163)
contains.

CIELCh(86, 27.687, 128.040)	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(86, 27.687, 128.040)

Conversions

Conversions Part 1

Format	Color
Hex	C6DFAD
RGB	198, 223, 173
RGB Percent	78%, 87%, 68%
CMY	0.2225, 0.1244, 0.3206
CMYK	0.11, 0.00, 0.22, 0.12
HSL	90°, 44%, 78%
HSV	90°, 22%, 88%
XYZ	57.3851, 67.9871, 49.7632
YIQ	209.8250, 1.1500, -20.8500

Conversions

Conversions Part 2

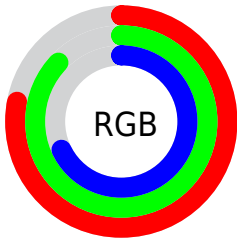
Format	Color
RYB	173, 223, 198
Decimal	13033389
CIELab	86.00, -17.06, 21.81
CIELCh	86, 27.687, 128.040
Yxy	67.9871, 0.3277, 0.3882
Android (android.graphics.Color)	4291223469 (0xFFC6DFAD)
YUV	209.8250, -18.1547, -10.3705
Hunter-Lab	82.4543, -20.0658, 21.9350

Details

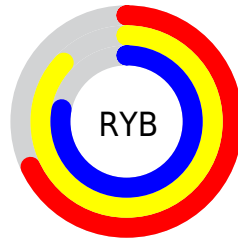
The CIELCh color **86, 27.687, 128.040** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 28.555, 310.130**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.158, 109.183**, and **66, 27.986, 127.766** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.932, 127.552**, and if you desaturate by 10%, it is **87, 15.327, 128.523**.

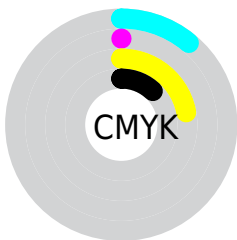
Distribution



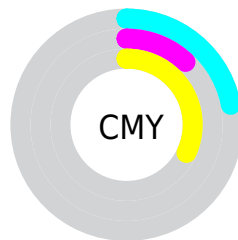
- Red (78%)
- Green (87%)
- Blue (68%)



- Red (68%)
- Yellow (87%)
- Blue (78%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (22%)
- Magenta (12%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 27.687, 128.040 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 86, 27.687, 128.040 by changing the saturation by 10% instead.


 86, 27.687,
128.040


 86, 27.687,
128.040


 100, 27.687,
128.040


 76, 27.687,
128.040

 66, 27.687,
128.040

 56, 27.687,
128.040

 46, 27.687,
128.040

 36, 27.687,
128.040


 26, 27.687,
128.040


 16, 27.687,


128.040


 6, 27.687, 128.040


 0, 27.687, 128.040

 86, 27.687,
128.040


 86, 27.687,
128.040

 85, 39.932,
127.552

 87, 15.327,
128.523


 84, 51.899,
127.078

 89, 2.953, 129.009


 83, 63.364,
126.663

 90, 9.355, 309.369

 82, 74.000,
126.377

 91, 17.881,
313.641

 81, 83.360,

 92, 19.676,
324.321

126.321

92, 19.850,
325.114

81, 90.908,
126.622

80, 96.193,
127.396

80, 98.867,
128.247

Harmonies

Complementary

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



86, 27.687, 128.040



74, 28.555, 310.130

Rectangle

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



86, 27.687, 128.040



86, 27.687, 178.040



86, 27.687, 308.040



86, 27.687, 358.040

Sweetspot

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



86, 27.689, 128.042



99, 9.623, 128.774



81, 16.503, 72.631



53, 6.254, 128.746



0, 0.000, 0.000



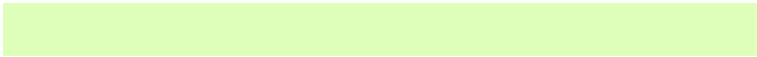
53, 0.007, 296.813

Same Dimension

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



86, 27.689, 128.042



96, 37.135, 127.807



84, 32.150, 142.972



47, 7.042, 128.662



64, 82.540, 127.986



17, 30.817, 127.952

Inverse Universe

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



74, 28.555, 310.130



81, 38.567, 310.383



77, 32.167, 325.661



44, 7.139, 309.482



27, 94.431, 311.938



4, 33.480, 310.310

Previews

White Background



This preview shows how the CIELCh color 86, 27.687, 128.040 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 86, 27.687, 128.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

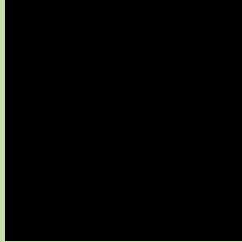
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

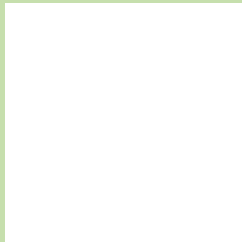
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 27.687, 128.040

Background



This preview shows how black text looks on a background with the CIELCh color 86, 27.687, 128.040.

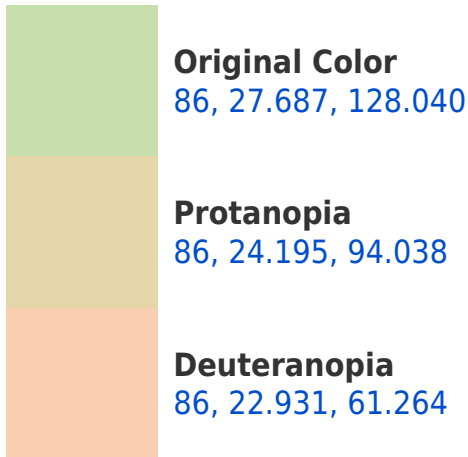


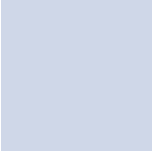
This preview shows how white text looks on a background with the CIELCh color 86, 27.687, 128.040.

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](#).

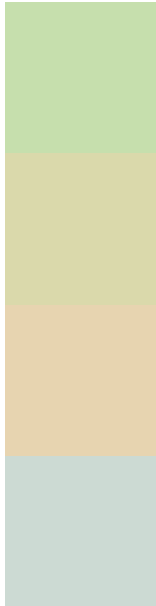
Dichromacy





Tritanopia
86, 9.289, 273.623

Trichromacy



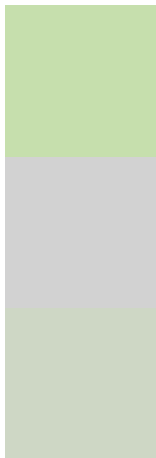
Original Color
86, 27.687, 128.040

Protanomaly
86, 23.920, 107.195

Deuteranomaly
86, 20.244, 87.073

Tritanomaly
86, 6.263, 163.190

Monochromacy



Original Color
86, 27.687, 128.040

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 10.026, 128.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 27.687, 128.040 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, 223, 173)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 173)  
}
```

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, 223, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 27.687, 128.040 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, 223, 173) }
```

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

```
.border{ border-color:rgb(198, 223, 173) }
```

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

Here you see how a box with a 4 pixel rgb(198, 223, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 223, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 223, 173);  
box-shadow:4px 4px 4px 4px rgb(198, 223,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 27.687, 128.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 173) }
```

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

```
.background{ background-color: rgb(198,  
223, 173) }
```

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