

Converting Colors

CIELCh(86, 16.854, 87.400)

Have a look what the booklet for
CIELCh(86, 16.854, 87.400) contains.

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Color

CIELCh(86, 16.851, 87.369)

Conversions

Conversions Part 1

Format	Color
Hex	E5D5B7
RGB	229, 213, 183
RGB Percent	90%, 84%, 72%
CMY	0.1002, 0.1629, 0.2806
CMYK	0.00, 0.07, 0.20, 0.10
HSL	39°, 47%, 81%
HSV	39°, 20%, 90%
XYZ	64.9614, 67.9871, 54.7391
YIQ	214.3640, 19.1660, -5.9380

Conversions

Conversions Part 2

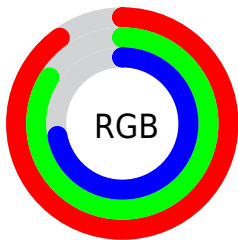
Format	Color
R _Y B	208, 229, 183
Decimal	15062455
CIE Lab	86.00, 0.77, 16.83
CIE LCh	86, 16.851, 87.369
Yxy	67.9871, 0.3461, 0.3622
Android (android.graphics.Color)	4293252535 (0xFFE5D5B7)
YUV	214.3640, -15.4625, 12.8358
Hunter-Lab	82.4543, -3.6643, 18.3570

Details

The CIELCh color $86, 16.851, 87.369$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $80, 16.720, 272.855$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 8.099, 109.562$, and $66, 16.667, 86.714$ is the 20% darker color. If you saturate the color by 10%, you get $84, 25.541, 86.042$, and if you desaturate by 10%, it is $89, 8.347, 88.660$.

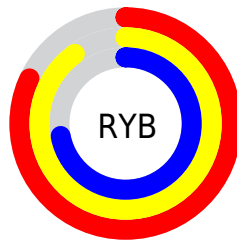
Distribution



Red (90%)

Green (84%)

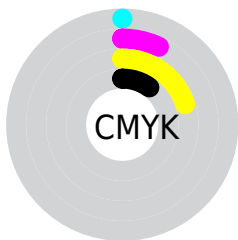
Blue (72%)



Red (82%)

Yellow (90%)

Blue (72%)

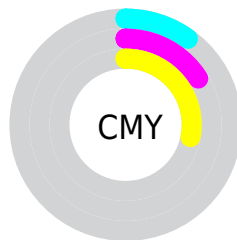


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (10%)



Cyan (10%)

Magenta (16%)

Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 16.851, 87.369 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, 16.851, 87.369 by changing the saturation by 10% instead.

 86, 16.851, 87.369

 86, 16.851, 87.369

 100, 16.851,
87.369

 76, 16.851, 87.369

 66, 16.851, 87.369

 56, 16.851, 87.369

 46, 16.851, 87.369

 36, 16.851, 87.369

 26, 16.851, 87.369

 16, 16.851, 87.369

 6, 16.851, 87.369

 0, 16.851, 87.369

86, 16.851, 87.369

86, 16.851, 87.369

84, 25.541, 86.042

89, 8.347, 88.660

81, 34.377, 84.664

91, 0.036, 82.259

79, 43.275, 83.242

94, 8.086, 271.188

77, 52.060, 81.764

96, 7.250, 242.209

74, 60.396, 80.190

98, 8.165, 204.890

72, 67.699, 78.437

98, 8.700, 198.932

70, 73.111, 76.351

68, 76.168, 73.825

Harmonies

Complementary

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



86, 16.851, 87.369



80, 16.720, 272.855

Rectangle

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



86, 16.851, 87.369



86, 16.851, 137.369



86, 16.851, 267.369



86, 16.851, 317.369

Sweetspot

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



86, 16.852, 87.378



98, 5.396, 89.148



79, 19.172, 354.586



52, 3.583, 89.070



0, 0.000, 0.000



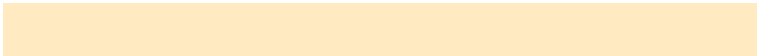
53, 0.007, 296.813

Same Dimension

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



86, 16.852, 87.378



93, 22.072, 86.838



90, 23.862, 114.556



47, 4.712, 88.735



54, 63.124, 74.363



14, 21.902, 77.070

Inverse Universe

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



80, 16.720, 272.855



86, 21.857, 273.558



77, 24.955, 297.773



45, 4.703, 271.238



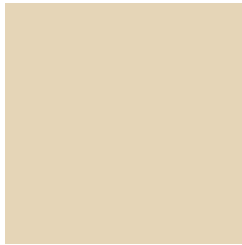
31, 72.934, 295.680



6, 25.020, 287.073

Previews

White Background



This preview shows how the CIELCh color 86, 16.851, 87.369 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, 16.851, 87.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

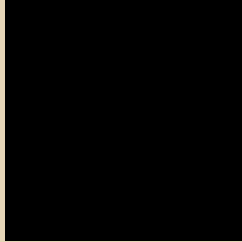
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

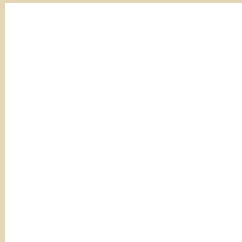
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 16.851, 87.369

Background



This preview shows how black text looks on a background with the CIELCh color 86, 16.851, 87.369.

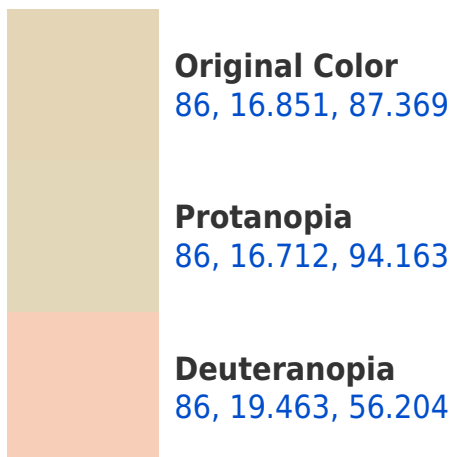


This preview shows how white text looks on a background with the CIELCh color 86, 16.851, 87.369.

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](#).

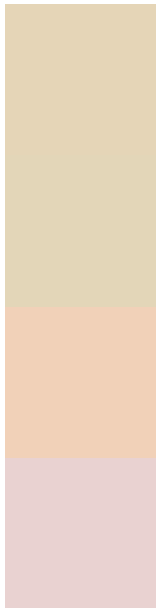
Dichromacy





Tritanopia
86, 12.888, 339.835

Trichromacy



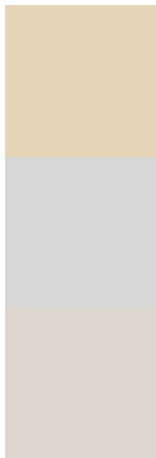
Original Color
86, 16.851, 87.369

Protanomaly
86, 16.441, 91.152

Deuteranomaly
86, 18.116, 65.808

Tritanomaly
86, 8.519, 23.472

Monochromacy



Original Color
86, 16.851, 87.369

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.662, 86.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 16.851, 87.369 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(229, 213, 183)` looks like.

```
.text, #text, p{  
    color:rgb(229, 213, 183)  
}
```

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(229, 213, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 213, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 16.851, 87.369 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(229, 213, 183) }
```

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

```
.border{ border-color:rgb(229, 213, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 213, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 213, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 213, 183);  
box-shadow:4px 4px 4px 4px rgb(229, 213,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 16.851, 87.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 213, 183) }
```

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

```
.background{ background-color: rgb(229,  
213, 183) }
```

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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