

Converting Colors

CIELCh(85, 19.085, 81.951)

Have a look what the booklet for
CIELCh(85, 19.085, 81.951) contains.

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Color

CIELCh(85, 18.870, 81.684)

Conversions

Conversions Part 1

Format	Color
Hex	E7D1B1
RGB	231, 209, 177
RGB Percent	91%, 82%, 69%
CMY	0.0927, 0.1790, 0.3046
CMYK	0.00, 0.10, 0.23, 0.09
HSL	36°, 53%, 80%
HSV	36°, 23%, 91%
XYZ	63.9250, 66.0070, 51.1422
YIQ	211.9300, 23.3840, -5.2880

Conversions

Conversions Part 2

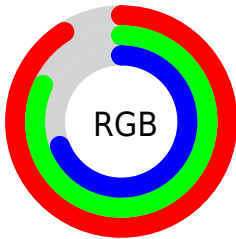
Format	Color
RYB	214, 231, 177
Decimal	15192497
CIELab	85.00, 2.73, 18.67
CIELCh	85, 18.870, 81.684
Yxy	66.0070, 0.3530, 0.3645
Android (android.graphics.Color)	4293382577 (0xFFE7D1B1)
YUV	211.9300, -17.2205, 16.7244
Hunter-Lab	81.2447, -1.7307, 19.5492

Details

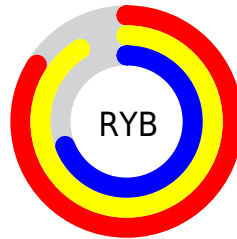
The CIELCh color **85, 18.870, 81.684** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **80, 18.341, 268.280**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **65, 19.144, 82.371** is the 20% darker color. If you saturate the color by 10%, you get **82, 27.379, 80.336**, and if you desaturate by 10%, it is **88, 10.616, 83.005**.

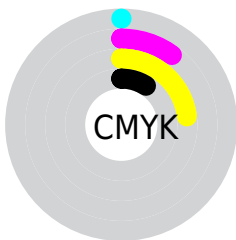
Distribution



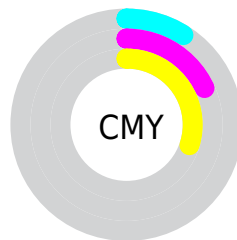
- Red (91%)
- Green (82%)
- Blue (69%)



- Red (84%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 18.870, 81.684 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 85, 18.870, 81.684 by changing the saturation by 10% instead.

 85, 18.870, 81.684

 85, 18.870, 81.684

 100, 18.870,
81.684

 75, 18.870, 81.684

 65, 18.870, 81.684

 55, 18.870, 81.684

 45, 18.870, 81.684

 35, 18.870, 81.684

 25, 18.870, 81.684

 15, 18.870, 81.684

 5, 18.870, 81.684

 0, 18.870, 81.684

85, 18.870, 81.684

85, 18.870, 81.684

82, 27.379, 80.336

88, 10.616, 83.005

79, 36.112, 78.941

91, 2.615, 84.196

77, 44.983, 77.503

94, 5.143, 265.628

74, 53.807, 75.996

96, 6.659, 236.989

72, 62.212, 74.358

98, 8.070, 198.977

69, 69.529, 72.457

67, 74.793, 70.060

66, 77.108, 68.176

Harmonies

Complementary

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



85, 18.870, 81.684



80, 18.341, 268.280

Rectangle

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



85, 18.870, 81.684



85, 18.870, 131.684



85, 18.870, 261.684



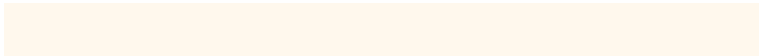
85, 18.870, 311.684

Sweetspot

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



85, 18.871, 81.692



98, 5.960, 83.793



78, 23.376, 350.675



52, 3.877, 83.720



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 18.871, 81.692



91, 24.675, 81.046



90, 27.790, 111.485



47, 4.458, 83.498



52, 63.426, 68.808



13, 21.297, 70.789

Inverse Universe

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



80, 18.341, 268.280



84, 23.826, 269.180



74, 29.347, 295.788



45, 4.418, 266.056



34, 65.815, 291.789



7, 23.055, 283.598

Previews

White Background



This preview shows how the CIELCh color 85, 18.870, 81.684 looks on a white background.

Color Contrast Check

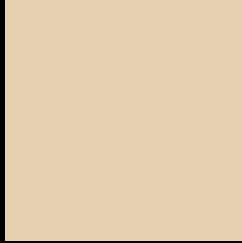
Large Text (above 18pt) WCAG AA × Fail

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 85, 18.870, 81.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

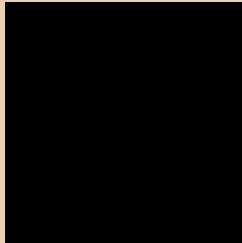
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 18.870, 81.684

Background



This preview shows how black text looks on a background with the CIELCh color 85, 18.870, 81.684.



This preview shows how white text looks on a background with the CIELCh color 85, 18.870, 81.684.

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

85, 18.870, 81.684

Protanopia

85, 17.869, 93.639

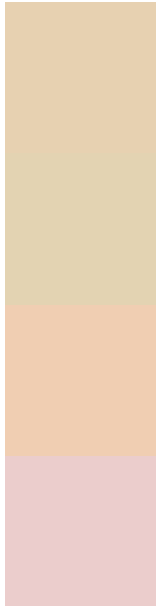
Deuteranopia

85, 21.255, 59.770



Tritanopia
85, 14.975, 346.508

Trichromacy



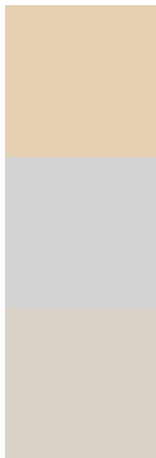
Original Color
85, 18.870, 81.684

Protanomaly
85, 18.360, 88.916

Deuteranomaly
85, 19.931, 66.999

Tritanomaly
85, 11.216, 22.865

Monochromacy



Original Color
85, 18.870, 81.684

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.942, 84.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 18.870, 81.684 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(231, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 209, 177)  
}
```

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(231, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 209, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 18.870, 81.684 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(231, 209, 177) }
```

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

```
.border{ border-color:rgb(231, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 209, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 209, 177); box-shadow:4px 4px 4px 4px rgb(231, 209, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 18.870, 81.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 209, 177) }
```

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

```
.background{ background-color: rgb(231,  
209, 177) }
```

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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