

Converting Colors

CIELCh(87, 85.411, 99.529)

Have a look what the booklet for
CIELCh(87, 85.411, 99.529) contains.

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Color

CIELCh(87, 85.273, 99.535)

Conversions

Conversions Part 1

Format	Color
Hex	EADE17
RGB	234, 222, 23
RGB Percent	92%, 87%, 9%
CMY	0.0811, 0.1282, 0.9111
CMYK	0.00, 0.05, 0.90, 0.08
HSL	57°, 84%, 50%
HSV	57°, 90%, 92%
XYZ	60.3878, 70.0064, 11.1220
YIQ	202.9020, 71.0310, -59.3450

Conversions

Conversions Part 2

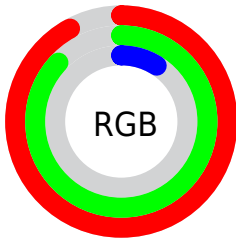
Format	Color
RYB	36, 234, 23
Decimal	15392279
CIELab	87.00, -14.13, 84.09
CIELCh	87, 85.273, 99.535
Yxy	70.0064, 0.4267, 0.4947
Android (android.graphics.Color)	4293582359 (0xFFEAD17)
YUV	202.9020, -88.6917, 27.2729
Hunter-Lab	83.6698, -17.5918, 50.6876

Details

The CIELCh color **87, 85.273, 99.535** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **33, 116.306, 304.550**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.617, 104.403**, and **67, 70.653, 100.262** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.175, 99.058**, and if you desaturate by 10%, it is **87, 80.956, 100.147**.

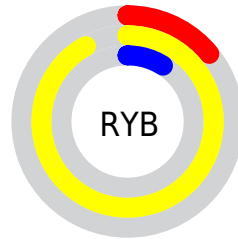
Distribution



Red (92%)

Green (87%)

Blue (9%)



Red (14%)

Yellow (92%)

Blue (9%)

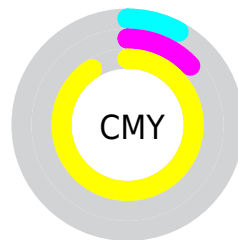


Cyan (0%)

Magenta (5%)

Yellow (90%)

Black (8%)



Cyan (8%)

Magenta (13%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 85.273, 99.535 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, 85.273, 99.535 by changing the saturation by 10% instead.

 87, 85.273, 99.535

 87, 85.273, 99.535

 100, 85.273,
99.535

 77, 85.273, 99.535

 67, 85.273, 99.535

 57, 85.273, 99.535

 47, 85.273, 99.535

 37, 85.273, 99.535

 27, 85.273, 99.535

 17, 85.273, 99.535

 7, 85.273, 99.535

 0, 85.273, 99.535

■ 87, 85.273, 99.535

■ 87, 85.273, 99.535

■ 87, 87.175, 99.058

■ 87, 80.956,
100.147

■ 88, 74.225,
100.889

■ 88, 65.665,
101.743

■ 89, 55.880,
102.681

■ 90, 45.335,
103.674

■ 90, 34.345,
104.698

■ 91, 23.111,
105.730

■ 92, 11.757,
106.755

Harmonies

Complementary

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



87, 85.273, 99.535



33, 116.306, 304.550

Rectangle

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



87, 85.273, 99.535



87, 85.273, 149.535



87, 85.273, 279.535



87, 85.273, 329.535

Sweetspot

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



87, 85.272, 99.537



98, 32.798, 105.028



50, 89.063, 34.404



52, 22.063, 104.674



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, 85.272, 99.537



93, 92.918, 99.040



84, 96.896, 124.816



49, 6.473, 106.842



69, 71.911, 99.124



20, 29.146, 100.309

Inverse Universe

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



33, 116.306, 304.550



33, 131.529, 305.813



38, 114.026, 310.820



45, 6.603, 288.835



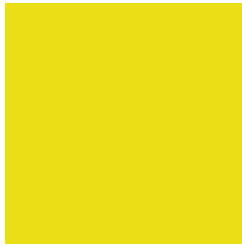
22, 100.890, 305.590



3, 34.323, 296.698

Previews

White Background



This preview shows how the CIELCh color 87, 85.273, 99.535 looks on a white background.

Color Contrast Check

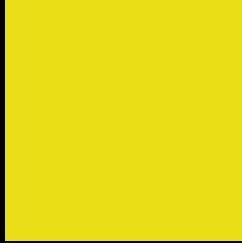
Large Text (above 18pt) WCAG AA × Fail

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, 85.273, 99.535 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, 85.273, 99.535

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.273, 99.535.



This preview shows how white text looks on a background with the CIELCh color 87, 85.273, 99.535.

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, 85.130, 99.541

Protanopia

87, 84.978, 94.770

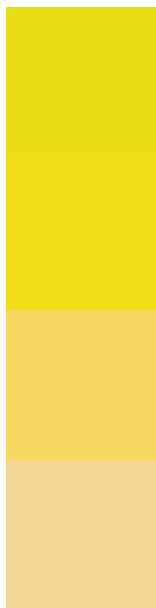
Deuteranopia

87, 40.448, 80.402



Tritanopia
87, 17.109, 351.582

Trichromacy



Original Color
87, 85.130, 99.541

Protanomaly
87, 85.075, 96.580

Deuteranomaly
87, 60.081, 92.005

Tritanomaly
86, 35.038, 86.973

Monochromacy



Original Color
87, 85.130, 99.541

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 37.891, 104.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.273, 99.535 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(234, 222, 23)` looks like.

```
.text, #text, p{  
    color:rgb(234, 222, 23)  
}
```

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(234, 222, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 222, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.273, 99.535 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(234, 222, 23) }
```

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

```
.border{ border-color:rgb(234, 222, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 222, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 222, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 222, 23);  
box-shadow:4px 4px 4px 4px rgb(234, 222,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.273, 99.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 222, 23) }
```

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

```
.background{ background-color: rgb(234,  
222, 23) }
```

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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