

Converting Colors

CIELCh(85, 86.580, 102.220)

Have a look what the booklet for
CIELCh(85, 86.580, 102.220)
contains.

CIELCh(85, 86.389, 102.278)	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>	26

Color

CIELCh(85, 86.389, 102.278)

Conversions

Conversions Part 1

Format	Color
Hex	DDDB00
RGB	221, 219, 0
RGB Percent	87%, 86%, 0%
CMY	0.1335, 0.1413, 1.0000
CMYK	0.00, 0.01, 1.00, 0.13
HSL	59°, 100%, 43%
HSV	59°, 100%, 87%
XYZ	55.1258, 66.0070, 9.8313
YIQ	194.6320, 71.4910, -67.6850

Conversions

Conversions Part 2

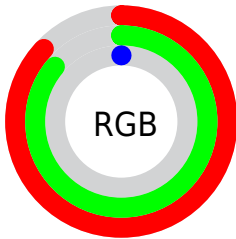
Format	Color
R _Y B	2, 221, 0
Decimal	14539520
CIE Lab	85.00, -18.37, 84.41
CIE LCh	85, 86.389, 102.278
Yxy	66.0070, 0.4209, 0.5040
Android (android.graphics.Color)	4292729600 (0xFFDDDB00)
YUV	194.6320, -95.9536, 23.1247
Hunter-Lab	81.2447, -21.0633, 49.6967

Details

The CIELCh color **85, 86.389, 102.278** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **27, 119.707, 306.200**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **65, 69.673, 103.976** is the 20% darker color. If you saturate the color by 10%, you get **85, 86.379, 102.281**, and if you desaturate by 10%, it is **85, 84.216, 102.503**.

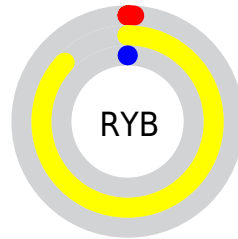
Distribution



Red (87%)

Green (86%)

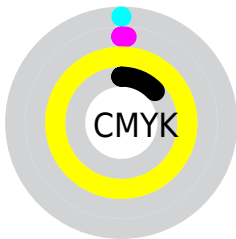
Blue (0%)



Red (1%)

Yellow (87%)

Blue (0%)

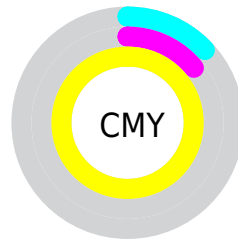


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 86.389, 102.278 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, 86.389, 102.278 by changing the saturation by 10% instead.


 85, 86.389,
102.278


 85, 86.389,
102.278


 100, 86.389,
102.278


 75, 86.389,
102.278

 65, 86.389,
102.278

 55, 86.389,
102.278

 45, 86.389,
102.278

 35, 86.389,
102.278

 25, 86.389,
102.278

 15, 86.389,

102.278

■ 5, 86.389, 102.278

■ 0, 86.389, 102.278

■ 85, 86.389,
102.278

■ 85, 86.389,
102.278

■ 85, 86.379,
102.281

■ 85, 84.216,
102.503

■ 85, 79.859,
102.893

■ 85, 73.228,
103.465

■ 86, 64.826,
104.189

■ 86, 55.200,

105.024

■ 86, 44.786,
105.935

■ 87, 33.891,
106.891

■ 87, 22.715,
107.868

■ 88, 11.387,
108.845

Harmonies

Complementary

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



85, 86.389, 102.278



27, 119.707, 306.200

Rectangle

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



85, 86.389, 102.278



85, 86.389, 152.278



85, 86.389, 282.278



85, 86.389, 332.278

Sweetspot

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



85, 86.379, 102.281



98, 38.062, 106.868



46, 93.141, 39.451



52, 25.882, 106.458



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, 86.379, 102.281



97, 96.248, 102.276



79, 97.550, 127.675



46, 6.425, 108.900



68, 72.093, 102.290



18, 26.269, 103.693

Inverse Universe

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



27, 119.707, 306.200



32, 133.462, 306.215



35, 112.530, 311.393



42, 6.566, 290.805



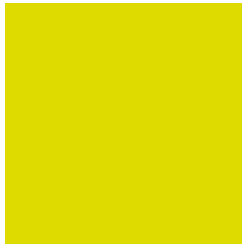
20, 99.787, 306.170



2, 29.416, 294.729

Previews

White Background



This preview shows how the CIELCh color 85, 86.389, 102.278 looks on a white background.

Color Contrast Check

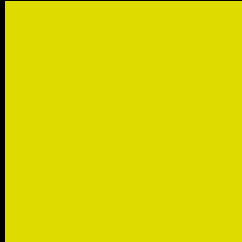
Large Text (above 18pt) WCAG AA × Fail

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, 86.389, 102.278 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, 86.389, 102.278

Background



This preview shows how black text looks on a background with the CIELCh color 85, 86.389, 102.278.

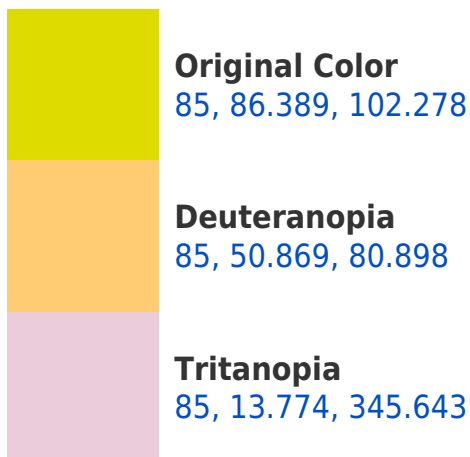


This preview shows how white text looks on a background with the CIELCh color 85, 86.389, 102.278.

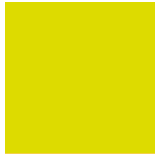
Color Blindness Simulation

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](#).

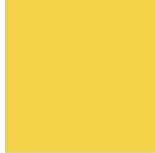
Dichromacy



Trichromacy



Original Color
85, 86.389, 102.278



Deuteranomaly
85, 68.231, 91.821

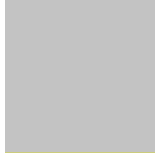


Tritanomaly
84, 37.447, 93.661

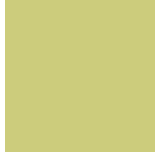
Monochromacy



Original Color
85, 86.389, 102.278



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 41.530, 106.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 86.389, 102.278 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(221, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 219, 0)  
}
```

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(221, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 219, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 86.389, 102.278 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(221, 219, 0) }
```

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

```
.border{ border-color:rgb(221, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 219,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 86.389, 102.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 219, 0) }
```

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

```
.background{ background-color: rgb(221,  
219, 0) }
```

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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