

Converting Colors

CIELCh(86, 87.233, 102.870)

Have a look what the booklet for
CIELCh(86, 87.233, 102.870)
contains.

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Color

CIELCh(86, 87.110, 102.865)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE03
RGB	222, 222, 3
RGB Percent	87%, 87%, 1%
CMY	0.1282, 0.1282, 0.9879
CMYK	0.00, 0.00, 0.99, 0.13
HSL	60°, 97%, 44%
HSV	60°, 99%, 87%
XYZ	56.4393, 67.9871, 10.2357
YIQ	197.0340, 70.2990, -68.1090

Conversions

Conversions Part 2

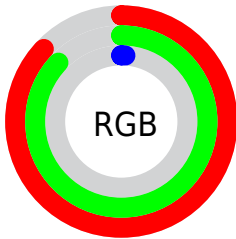
Format	Color
R_{YB}	3, 222, 3
Decimal	14605827
CIE _{Lab}	86.00, -19.40, 84.92
CIE _{LCh}	86, 87.110, 102.865
Yxy	67.9871, 0.4191, 0.5049
Android (android.graphics.Color)	4292795907 (0xFFDEDE03)
YUV	197.0340, -95.6588, 21.8952
Hunter-Lab	82.4543, -22.1132, 50.3579

Details

The CIELCh color **86, 87.110, 102.865** 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 **28, 119.996, 306.187**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **66, 70.641, 104.691** is the 20% darker color. If you saturate the color by 10%, you get **86, 87.367, 102.847**, and if you desaturate by 10%, it is **86, 84.710, 103.057**.

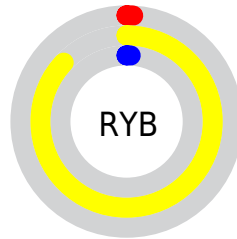
Distribution



Red (87%)

Green (87%)

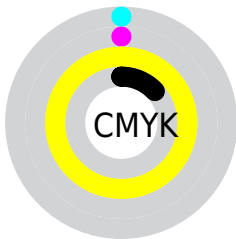
Blue (1%)



Red (1%)

Yellow (87%)

Blue (1%)

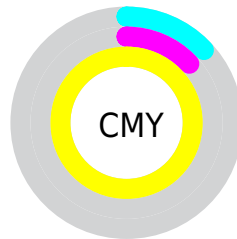


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (13%)



Cyan (13%)


Magenta (13%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 87.110, 102.865 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, 87.110, 102.865 by changing the saturation by 10% instead.


 86, 87.110,
102.865

 86, 87.110,
102.865


 100, 87.110,
102.865


 76, 87.110,
102.865

 66, 87.110,
102.865

 56, 87.110,
102.865

 46, 87.110,
102.865

 36, 87.110,
102.865


 26, 87.110,
102.865


 16, 87.110,


102.865


 6, 87.110, 102.865


 0, 87.110, 102.865


 86, 87.110,
102.865

 86, 87.110,
102.865

 86, 87.367,
102.847

 86, 84.710,
103.057

 86, 79.979,
103.435

 86, 73.017,
104.000

 86, 64.339,
104.718

 87, 54.483,

105.548

■ 87, 43.869,
106.453

■ 87, 32.791,
107.402

■ 88, 21.443,
108.371

■ 88, 9.949, 109.340

Harmonies

Complementary

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



86, 87.110, 102.865



28, 119.996, 306.187

Rectangle

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



86, 87.110, 102.865



86, 87.110, 152.865



86, 87.110, 282.865



86, 87.110, 332.865

Sweetspot

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



86, 87.109, 102.867



98, 38.380, 107.247



47, 92.860, 39.143



52, 26.094, 106.842



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, 87.109, 102.867



97, 96.904, 102.847



80, 97.546, 127.528



47, 6.606, 109.259



70, 73.361, 102.847



19, 27.932, 103.881

Inverse Universe

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



28, 119.996, 306.187



32, 133.813, 306.287



35, 112.449, 311.467



43, 6.754, 291.156



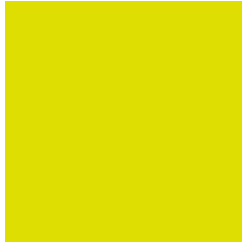
21, 101.301, 306.286



2, 31.632, 295.827

Previews

White Background



This preview shows how the CIELCh color 86, 87.110, 102.865 looks on a white background.

Color Contrast Check

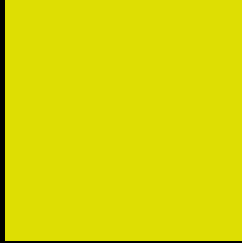
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 86, 87.110, 102.865 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, 87.110, 102.865

Background



This preview shows how black text looks on a background with the CIELCh color 86, 87.110, 102.865.



This preview shows how white text looks on a background with the CIELCh color 86, 87.110, 102.865.

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
86, 87.026, 102.872

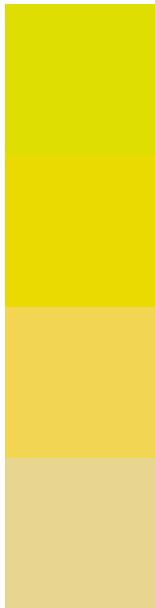
Protanopia
86, 86.142, 94.683

Deuteranopia
86, 45.114, 80.203



Tritanopia
86, 13.743, 342.912

Trichromacy



Original Color
86, 87.026, 102.872

Protanomaly
86, 86.332, 97.945

Deuteranomaly
86, 65.412, 93.217

Tritanomaly
85, 37.131, 94.974

Monochromacy



Original Color
86, 87.026, 102.872

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 41.470, 106.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 87.110, 102.865 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(222, 222, 3)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 3)  
}
```

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(222, 222, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 87.110, 102.865 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(222, 222, 3) }
```

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

```
.border{ border-color:rgb(222, 222, 3) }
```

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

Here you see how a box with a 4 pixel rgb(222, 222, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 3);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 87.110, 102.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 3) }
```

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

```
.background{ background-color: rgb(222,  
222, 3) }
```

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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