

Converting Colors

CIELCh(87, 75.304, 104.974)

Have a look what the booklet for
CIELCh(87, 75.304, 104.974)
contains.

CIELCh(87, 74.991, 104.872)	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>	27

Color

CIELCh(87, 74.991, 104.872)

Conversions

Conversions Part 1

Format	Color
Hex	DEE143
RGB	222, 225, 67
RGB Percent	87%, 88%, 26%
CMY	0.1281, 0.1164, 0.7359
CMYK	0.01, 0.00, 0.70, 0.12
HSL	61°, 73%, 57%
HSV	61°, 70%, 88%
XYZ	58.2547, 70.0064, 15.8041
YIQ	206.0910, 48.9300, -49.7740

Conversions

Conversions Part 2

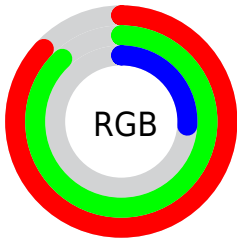
Format	Color
RYB	67, 225, 70
Decimal	14606659
CIELab	87.00, -19.25, 72.48
CIELCh	87, 74.991, 104.872
Yxy	70.0064, 0.4044, 0.4859
Android (android.graphics.Color)	4292796739 (0xFFDEE143)
YUV	206.0910, -68.5719, 13.9522
Hunter-Lab	83.6698, -22.1424, 47.3698

Details

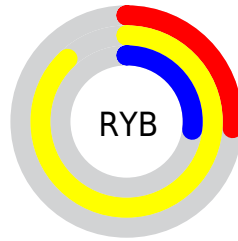
The CIELCh color **87, 74.991, 104.872** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **39, 93.824, 302.183**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.548, 105.314**, and **67, 71.619, 105.381** is the 20% darker color. If you saturate the color by 10%, you get **87, 81.715, 104.390**, and if you desaturate by 10%, it is **87, 66.447, 105.531**.

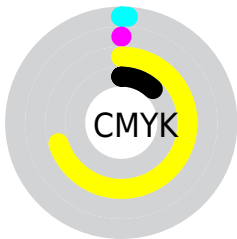
Distribution



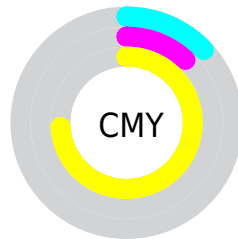
- Red (87%)
- Green (88%)
- Blue (26%)



- Red (26%)
- Yellow (88%)
- Blue (27%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (12%)



- Cyan (13%)
- Magenta (12%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 74.991, 104.872 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, 74.991, 104.872 by changing the saturation by 10% instead.

 87, 74.991,
104.872

 87, 74.991,
104.872


 100, 74.991,
104.872

 77, 74.991,
104.872

 67, 74.991,
104.872

 57, 74.991,
104.872

 47, 74.991,
104.872

 37, 74.991,
104.872

 27, 74.991,
104.872


 17, 74.991,


104.872


 7, 74.991, 104.872


 0, 74.991, 104.872


 87, 74.991,
104.872

 87, 74.991,
104.872


 87, 81.715,
104.390


 87, 66.447,
105.531

 87, 86.120,
104.116

 87, 56.635,
106.312


 87, 88.288,
104.040

 88, 46.000,
107.178


 88, 34.858,
108.093


 89, 23.417,

109.033

 89, 11.810,
109.974

 90, 0.125, 110.413

 90, 11.583,
291.829

 91, 15.437,
292.480

Harmonies

Complementary

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



87, 74.991, 104.872



39, 93.824, 302.183

Rectangle

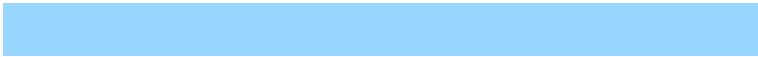
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 74.991, 104.872



87, 74.991, 154.872



87, 74.991, 284.872



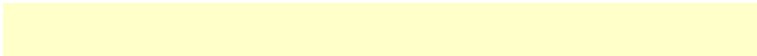
87, 74.991, 334.872

Sweetspot

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



87, 74.991, 104.874



99, 27.015, 108.936



53, 69.909, 31.306



53, 18.260, 108.674



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, 74.991, 104.874



97, 92.223, 104.240



82, 82.350, 126.882



47, 6.608, 110.037



69, 73.391, 104.020



19, 27.930, 104.952

Inverse Universe

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



39, 93.824, 302.183



37, 122.575, 304.852



47, 91.131, 312.907



43, 6.756, 291.872



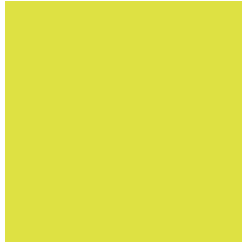
21, 101.206, 306.346



2, 31.660, 296.289

Previews

White Background



This preview shows how the CIELCh color 87, 74.991, 104.872 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, 74.991, 104.872 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, 74.991, 104.872

Background



This preview shows how black text looks on a background with the CIELCh color 87, 74.991, 104.872.

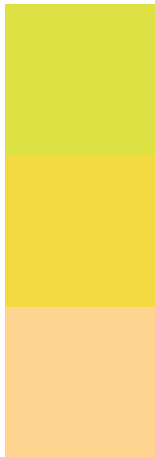


This preview shows how white text looks on a background with the CIELCh color 87, 74.991, 104.872.

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, 74.991, 104.872

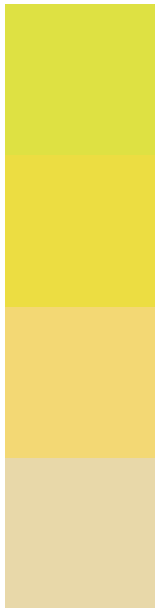
Protanopia
87, 74.095, 95.203

Deuteranopia
87, 39.522, 79.882



Tritanopia
87, 13.205, 338.093

Trichromacy



Original Color
87, 74.991, 104.872

Protanomaly
87, 74.189, 98.933

Deuteranomaly
87, 52.285, 93.254

Tritanomaly
87, 25.259, 93.638

Monochromacy



Original Color
87, 74.991, 104.872

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 29.661, 108.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 74.991, 104.872 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, 225, 67)` looks like.

```
.text, #text, p{  
    color:rgb(222, 225, 67)  
}
```

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, 225, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 225, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 74.991, 104.872 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, 225, 67) }
```

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

```
.border{ border-color:rgb(222, 225, 67) }
```

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

Here you see how a box with a 4 pixel rgb(222, 225, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 225, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 225, 67);  
box-shadow:4px 4px 4px 4px rgb(222, 225,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 74.991, 104.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 225, 67) }
```

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

```
.background{ background-color: rgb(222,  
225, 67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor