

Converting Colors

CIELCh(86, 88.130, 105.649)

Have a look what the booklet for
CIELCh(86, 88.130, 105.649)
contains.

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Color

CIELCh(86, 88.224, 105.640)

Conversions

Conversions Part 1

Format	Color
Hex	D7E100
RGB	215, 225, 0
RGB Percent	84%, 88%, 0%
CMY	0.1587, 0.1194, 1.0000
CMYK	0.04, 0.00, 1.00, 0.12
HSL	63°, 100%, 44%
HSV	63°, 100%, 88%
XYZ	54.6894, 67.9871, 10.2242
YIQ	196.3600, 66.2650, -72.0950

Conversions

Conversions Part 2

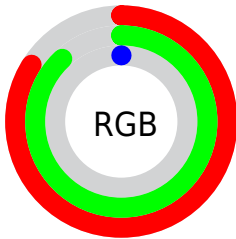
Format	Color
RYB	0, 225, 10
Decimal	14147840
CIELab	86.00, -23.78, 84.96
CIELCh	86, 88.224, 105.640
Yxy	67.9871, 0.4115, 0.5116
Android (android.graphics.Color)	4292337920 (0xFFD7E100)
YUV	196.3600, -96.8055, 16.3473
Hunter-Lab	82.4543, -25.9014, 50.3662

Details

The CIELCh color **86, 88.224, 105.640** 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 **28, 121.355, 306.390**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **66, 71.921, 108.225** is the 20% darker color. If you saturate the color by 10%, you get **86, 88.179, 105.647**, and if you desaturate by 10%, it is **86, 85.952, 105.601**.

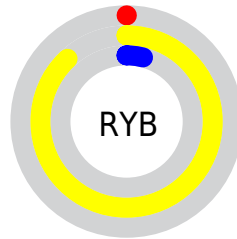
Distribution



Red (84%)

Green (88%)

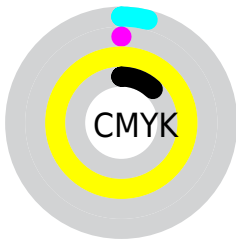
Blue (0%)



Red (0%)

Yellow (88%)

Blue (4%)

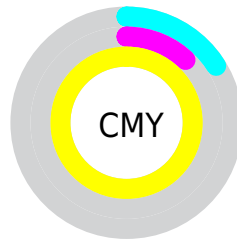


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (16%)

Magenta (12%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 88.224, 105.640 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, 88.224, 105.640 by changing the saturation by 10% instead.


 86, 88.224,
105.640

 86, 88.224,
105.640


 100, 88.224,
105.640


 76, 88.224,
105.640

 66, 88.224,
105.640

 56, 88.224,
105.640

 46, 88.224,
105.640

 36, 88.224,
105.640

 26, 88.224,
105.640

 16, 88.224,

105.640


 6, 88.224, 105.640


 0, 88.224, 105.640

 86, 88.224,
105.640


 86, 88.224,
105.640

 86, 88.179,
105.647

 86, 85.952,
105.601

 86, 81.505,
105.781

 86, 74.755,
106.196

 87, 66.203,
106.798

 87, 56.396,

107.536

■ 87, 45.776,
108.361

■ 88, 34.654,
109.238

■ 88, 23.235,
110.138

■ 89, 11.651,
111.041

Harmonies

Complementary

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



86, 88.224, 105.640



28, 121.355, 306.390

Rectangle

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



86, 88.224, 105.640



86, 88.224, 155.640



86, 88.224, 285.640



86, 88.224, 335.640

Sweetspot

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



86, 88.179, 105.647



98, 38.411, 109.219



47, 94.574, 40.275



52, 26.115, 108.843



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, 88.179, 105.647



96, 97.070, 105.666



80, 100.366, 129.308



47, 6.612, 111.090



69, 73.482, 105.602



19, 27.943, 106.399

Inverse Universe

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



28, 121.355, 306.390



32, 133.622, 306.375



37, 112.689, 312.539



43, 6.760, 292.843



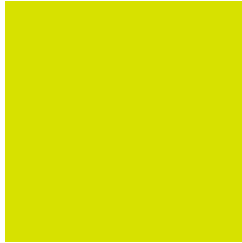
21, 101.073, 306.427



2, 31.699, 296.915

Previews

White Background



This preview shows how the CIELCh color 86, 88.224, 105.640 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 86, 88.224, 105.640 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, 88.224, 105.640

Background



This preview shows how black text looks on a background with the CIELCh color 86, 88.224, 105.640.

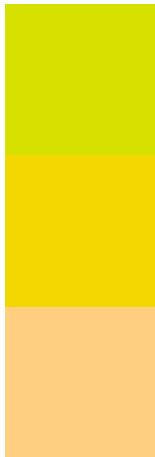


This preview shows how white text looks on a background with the CIELCh color 86, 88.224, 105.640.

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, 88.306, 105.632

Protanopia

86, 86.074, 94.972

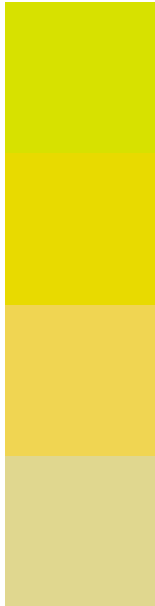
Deuteranopia

86, 45.573, 80.416



Tritanopia
86, 11.328, 332.454

Trichromacy



Original Color
86, 88.306, 105.632

Protanomaly
86, 86.307, 98.808

Deuteranomaly
85, 65.942, 94.376

Tritanomaly
85, 37.399, 101.350

Monochromacy



Original Color
86, 88.306, 105.632

Achromatopsia
79, 0.010, 296.813

Achromatomaly
81, 41.986, 108.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 88.224, 105.640 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(215, 225, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 225, 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(215, 225, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 225, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 88.224, 105.640 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(215, 225, 0) }
```

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

```
.border{ border-color:rgb(215, 225, 0) }
```

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

Here you see how a box with a 4 pixel rgb(215, 225, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 225, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 225, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 225,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 88.224, 105.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 225, 0) }
```

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

```
.background{ background-color: rgb(215,  
225, 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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