

Converting Colors

CIELCh(87, 85.307, 104.306)

Have a look what the booklet for
CIELCh(87, 85.307, 104.306)
contains.

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Color

CIELCh(87, 85.286, 104.251)

Conversions

Conversions Part 1

Format	Color
Hex	DEE21D
RGB	222, 226, 29
RGB Percent	87%, 89%, 11%
CMY	0.1294, 0.1137, 0.8863
CMYK	0.02, 0.00, 0.87, 0.11
HSL	61°, 77%, 50%
HSV	61°, 87%, 89%
XYZ	57.5386, 70.0064, 11.6415
YIQ	202.3460, 60.8530, -62.1150

Conversions

Conversions Part 2

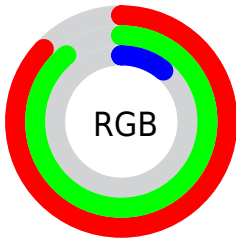
Format	Color
R _Y B	29, 226, 33
Decimal	14606877
CIE Lab	87.00, -20.99, 82.66
CIE LCh	87, 85.286, 104.251
Yxy	70.0064, 0.4134, 0.5030
Android (android.graphics.Color)	4292796957 (0xFFDEE21D)
YUV	202.3460, -85.4596, 17.2366
Hunter-Lab	83.6698, -23.6702, 50.3195

Details

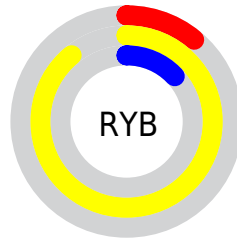
The CIELCh color **87, 85.286, 104.251** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **31, 114.348, 305.223**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 74.447, 104.491**, and **67, 71.985, 106.080** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.971, 104.140**, and if you desaturate by 10%, it is **87, 80.150, 104.587**.

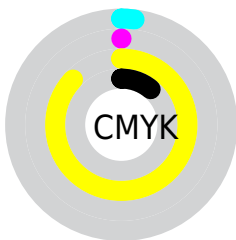
Distribution



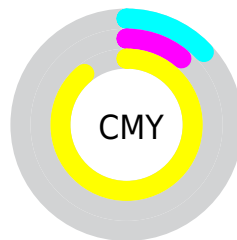
- Red (87%)
- Green (89%)
- Blue (11%)



- Red (11%)
- Yellow (89%)
- Blue (13%)



- Cyan (2%)
- Magenta (0%)
- Yellow (87%)
- Black (11%)





- Cyan (13%)
- Magenta (11%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 85.286, 104.251 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, 85.286, 104.251 by changing the saturation by 10% instead.


 87, 85.286,
104.251


 87, 85.286,
104.251


 100, 85.286,
104.251


 77, 85.286,
104.251

 67, 85.286,
104.251

 57, 85.286,
104.251

 47, 85.286,
104.251

 37, 85.286,
104.251


 27, 85.286,
104.251


 17, 85.286,


104.251


 7, 85.286, 104.251


 0, 85.286, 104.251


 87, 85.286,
104.251


 87, 85.286,
104.251


 87, 87.971,
104.140

 87, 80.150,
104.587

 87, 88.494,
104.128

 87, 72.814,
105.122

 87, 63.821,
105.818

 88, 53.702,
106.626

 88, 42.864,

107.507

■ 88, 31.588,
108.430

■ 89, 20.058,
109.370

■ 89, 8.392, 110.306

■ 90, 3.334, 291.258

Harmonies

Complementary

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



87, 85.286, 104.251



31, 114.348, 305.223

Rectangle

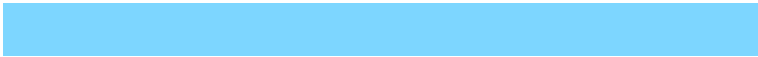
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 85.286, 104.251



87, 85.286, 154.251



87, 85.286, 284.251



87, 85.286, 334.251

Sweetspot

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



87, 85.286, 104.253



99, 33.360, 108.523



49, 87.088, 36.948



52, 22.562, 108.198



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, 85.286, 104.253



97, 96.950, 104.137



81, 95.106, 127.488



47, 6.608, 110.095



69, 73.395, 104.108



19, 27.930, 105.032

Inverse Universe

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



31, 114.348, 305.223



32, 133.728, 306.327



40, 107.227, 312.859



43, 6.756, 291.925



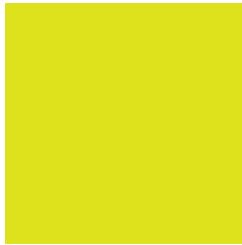
21, 101.199, 306.351



2, 31.662, 296.324

Previews

White Background



This preview shows how the CIELCh color 87, 85.286, 104.251 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, 85.286, 104.251 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, 85.286, 104.251

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.286, 104.251.



This preview shows how white text looks on a background with the CIELCh color 87, 85.286, 104.251.

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, 85.286, 104.251

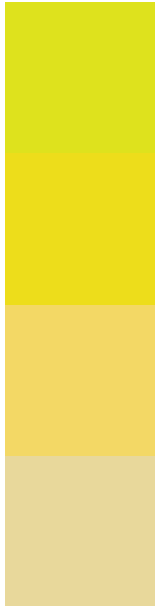
Protanopia
87, 84.161, 95.055

Deuteranopia
87, 40.448, 80.402



Tritanopia
87, 13.205, 338.093

Trichromacy



Original Color
87, 85.286, 104.251

Protanomaly
87, 84.334, 98.374

Deuteranomaly
87, 59.102, 93.990

Tritanomaly
86, 32.291, 95.989

Monochromacy



Original Color
87, 85.286, 104.251

Achromatopsia
81, 0.010, 296.813

Achromatomaly
83, 37.335, 108.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.286, 104.251 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, 226, 29)` looks like.

```
.text, #text, p{  
    color:rgb(222, 226, 29)  
}
```

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, 226, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 226, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.286, 104.251 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, 226, 29) }
```

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

```
.border{ border-color:rgb(222, 226, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 226, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 226, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 226, 29);  
box-shadow:4px 4px 4px 4px rgb(222, 226,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.286, 104.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 226, 29) }
```

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

```
.background{ background-color: rgb(222,  
226, 29) }
```

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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