

Converting Colors

CIELCh(86, 81.210, 108.537)

Have a look what the booklet for
CIELCh(86, 81.210, 108.537)
contains.

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Color

CIELCh(86, 81.210, 108.536)

Conversions

Conversions Part 1

Format	Color
Hex	D1E231
RGB	209, 226, 49
RGB Percent	82%, 89%, 19%
CMY	0.1815, 0.1147, 0.8091
CMYK	0.08, 0.00, 0.78, 0.11
HSL	66°, 75%, 54%
HSV	66°, 78%, 89%
XYZ	53.8916, 67.9871, 13.1521
YIQ	200.7390, 46.6850, -58.6510

Conversions

Conversions Part 2

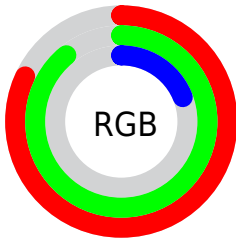
Format	Color
R_{YB}	49, 226, 66
Decimal	13754929
CIE _{Lab}	86.00, -25.82, 77.00
CIE _{LCh}	86, 81.210, 108.536
Yxy	67.9871, 0.3991, 0.5035
Android (android.graphics.Color)	4291945009 (0xFFD1E231)
YUV	200.7390, -74.8073, 7.2449
Hunter-Lab	82.4543, -27.6286, 48.2608

Details

The CIELCh color **86, 81.210, 108.536** is a light color, and the websafe version is hex **CCCC00**, and the color name is **pear**. The color can be described as light washed yellow. A complement of this color would be **36, 104.311, 304.699**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.574, 104.857**, and **66, 72.580, 110.271** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.128, 108.497**, and if you desaturate by 10%, it is **86, 74.055, 108.853**.

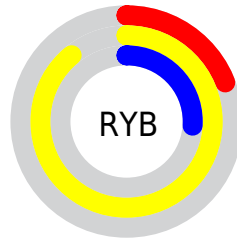
Distribution



Red (82%)

Green (89%)

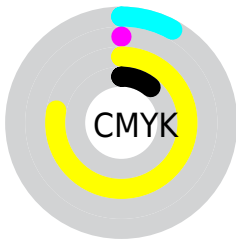
Blue (19%)



Red (19%)

Yellow (89%)

Blue (26%)

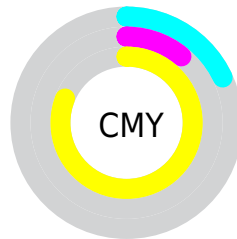


Cyan (8%)

Magenta (0%)

Yellow (78%)

Black (11%)



Cyan (18%)


Magenta (11%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 81.210, 108.536 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, 81.210, 108.536 by changing the saturation by 10% instead.


 86, 81.210,
108.536


 86, 81.210,
108.536


 100, 81.210,
108.536


 76, 81.210,
108.536


 66, 81.210,
108.536

 56, 81.210,
108.536

 46, 81.210,
108.536

 36, 81.210,
108.536


 26, 81.210,
108.536


 16, 81.210,


108.536


 6, 81.210, 108.536


 0, 81.210, 108.536


 86, 81.210,
108.536


 86, 81.210,
108.536

 86, 86.128,
108.497

 86, 74.055,
108.853

 86, 88.677,
108.753

 87, 65.190,
109.378

 86, 88.985,
108.804

 87, 55.152,
110.046

 87, 44.359,
110.804

 88, 33.102,

111.612

■ 89, 21.572,
112.439

■ 89, 9.894, 113.266

■ 90, 1.850, 294.098

■ 91, 13.606,
294.871

Harmonies

Complementary

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



86, 81.210, 108.536



36, 104.311, 304.699

Rectangle

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



86, 81.210, 108.536



86, 81.210, 158.536



86, 81.210, 288.536



86, 81.210, 338.536

Sweetspot

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



86, 81.210, 108.538



98, 30.920, 111.964



52, 76.494, 36.490



52, 21.197, 111.668



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, 81.210, 108.538



95, 96.412, 108.628



81, 91.164, 129.136



47, 6.627, 113.183



68, 73.849, 108.709



19, 28.029, 109.253

Inverse Universe

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



36, 104.311, 304.699



34, 130.384, 306.306



45, 99.326, 314.808



43, 6.774, 294.778



21, 100.770, 306.613



2, 31.787, 298.158

Previews

White Background



This preview shows how the CIELCh color 86, 81.210, 108.536 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, 81.210, 108.536 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, 81.210, 108.536

Background



This preview shows how black text looks on a background with the CIELCh color 86, 81.210, 108.536.



This preview shows how white text looks on a background with the CIELCh color 86, 81.210, 108.536.

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, 81.210, 108.536

Protanopia

86, 78.909, 94.890

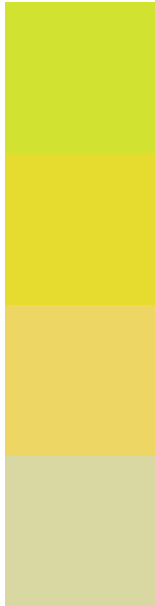
Deuteranopia

86, 44.655, 79.984



Tritanopia
86, 10.279, 319.824

Trichromacy



Original Color
86, 81.210, 108.536

Protanomaly
86, 79.162, 100.008

Deuteranomaly
86, 57.996, 95.091

Tritanomaly
85, 28.058, 106.150

Monochromacy



Original Color
86, 81.210, 108.536

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 33.431, 111.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 81.210, 108.536 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(209, 226, 49)` looks like.

```
.text, #text, p{  
    color:rgb(209, 226, 49)  
}
```

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(209, 226, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 226, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 81.210, 108.536 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(209, 226, 49) }
```

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

```
.border{ border-color:rgb(209, 226, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 226, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 226, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 226, 49);  
box-shadow:4px 4px 4px 4px rgb(209, 226,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 81.210, 108.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 226, 49) }
```

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

```
.background{ background-color: rgb(209,  
226, 49) }
```

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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