

Converting Colors

CIELCh(87, 81.950, 103.975)

Have a look what the booklet for
CIELCh(87, 81.950, 103.975)
contains.

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Color

CIELCh(87, 81.800, 103.952)

Conversions

Conversions Part 1

Format	Color
Hex	DFE12D
RGB	223, 225, 45
RGB Percent	87%, 88%, 18%
CMY	0.1238, 0.1161, 0.8253
CMYK	0.01, 0.00, 0.80, 0.12
HSL	61°, 75%, 53%
HSV	61°, 80%, 88%
XYZ	58.0593, 70.0064, 12.8884
YIQ	203.8820, 56.5880, -56.4040

Conversions

Conversions Part 2

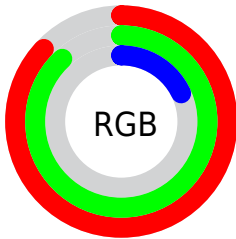
Format	Color
RYB	45, 225, 47
Decimal	14672173
CIELab	87.00, -19.72, 79.39
CIELCh	87, 81.800, 103.952
Yxy	70.0064, 0.4119, 0.4967
Android (android.graphics.Color)	4292862253 (0xFFDFE12D)
YUV	203.8820, -78.3288, 16.7665
Hunter-Lab	83.6698, -22.5593, 49.4359

Details

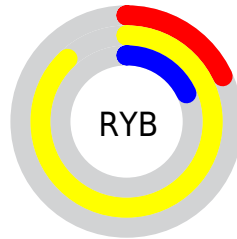
The CIELCh color **87, 81.800, 103.952** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **34, 107.002, 304.080**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **67, 71.595, 105.021** is the 20% darker color. If you saturate the color by 10%, you get **87, 86.170, 103.653**, and if you desaturate by 10%, it is **87, 75.103, 104.459**.

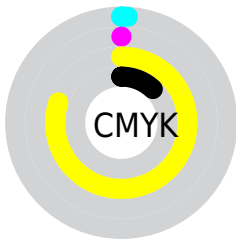
Distribution



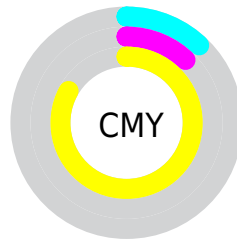
- Red (87%)
- Green (88%)
- Blue (18%)



- Red (18%)
- Yellow (88%)
- Blue (18%)



- Cyan (1%)
- Magenta (0%)
- Yellow (80%)
- Black (12%)



- Cyan (12%)
- Magenta (12%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 81.800, 103.952 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, 81.800, 103.952 by changing the saturation by 10% instead.

■ 87, 81.800,
103.952

■ 87, 81.800,
103.952

■ 100, 81.800,
103.952

■ 77, 81.800,
103.952

■ 67, 81.800,
103.952

■ 57, 81.800,
103.952

■ 47, 81.800,
103.952

■ 37, 81.800,
103.952

■ 27, 81.800,
103.952

■ 17, 81.800,

103.952

■ 7, 81.800, 103.952

■ 0, 81.800, 103.952

■ 87, 81.800,
103.952

■ 87, 81.800,
103.952

■ 87, 86.170,
103.653

■ 87, 75.103,
104.459

■ 87, 88.296,
103.540

■ 87, 66.578,
105.131

■ 88, 56.775,
105.926

■ 88, 46.146,
106.803

■ 88, 35.005,

107.730

■ 89, 23.564,
108.682

■ 89, 11.956,
109.635

■ 90, 0.269, 110.342

■ 90, 11.441,
291.517

Harmonies

Complementary

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



87, 81.800, 103.952



34, 107.002, 304.080

Rectangle

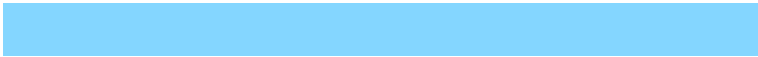
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 81.800, 103.952



87, 81.800, 153.952



87, 81.800, 283.952



87, 81.800, 333.952

Sweetspot

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



87, 81.800, 103.954



99, 30.825, 108.307



50, 81.003, 34.159



52, 21.132, 107.966



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, 81.800, 103.954



97, 96.232, 103.570



82, 90.129, 126.521



47, 6.607, 109.711



69, 73.376, 103.529



19, 27.930, 104.503

Inverse Universe

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



34, 107.002, 304.080



33, 132.047, 306.071



42, 101.682, 312.567



43, 6.755, 291.572



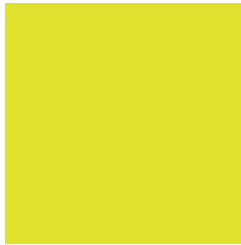
21, 101.248, 306.321



2, 31.649, 296.095

Previews

White Background



This preview shows how the CIELCh color 87, 81.800, 103.952 looks on a white background.

Color Contrast Check

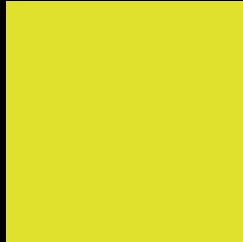
Large Text (above 18pt) WCAG AA × Fail

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, 81.800, 103.952 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, 81.800, 103.952

Background



This preview shows how black text looks on a background with the CIELCh color 87, 81.800, 103.952.

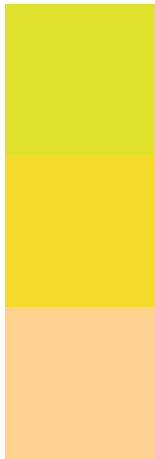


This preview shows how white text looks on a background with the CIELCh color 87, 81.800, 103.952.

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, 81.551, 103.973

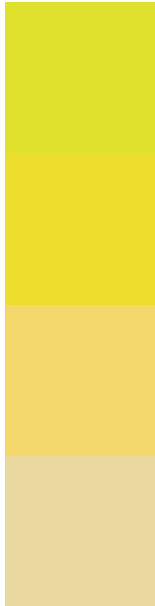
Protanopia
87, 80.677, 95.015

Deuteranopia
87, 39.985, 80.146



Tritanopia
87, 13.142, 340.892

Trichromacy



Original Color
87, 81.551, 103.973

Protanomaly
87, 80.793, 98.467

Deuteranomaly
87, 56.517, 93.316

Tritanomaly
86, 29.874, 94.561

Monochromacy



Original Color
87, 81.551, 103.973

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 34.271, 107.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 81.800, 103.952 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(223, 225, 45)` looks like.

```
.text, #text, p{  
    color:rgb(223, 225, 45)  
}
```

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(223, 225, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 225, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 81.800, 103.952 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(223, 225, 45) }
```

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

```
.border{ border-color:rgb(223, 225, 45) }
```

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

Here you see how a box with a 4 pixel rgb(223, 225, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 225, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 225, 45);  
box-shadow:4px 4px 4px 4px rgb(223, 225,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 81.800, 103.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 225, 45) }
```

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

```
.background{ background-color: rgb(223,  
225, 45) }
```

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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