

Converting Colors

CIELCh(87, 88.174, 102.878)

Have a look what the booklet for
CIELCh(87, 88.174, 102.878)
contains.

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Color

CIELCh(87, 88.081, 102.858)

Conversions

Conversions Part 1

Format	Color
Hex	E1E102
RGB	225, 225, 2
RGB Percent	88%, 88%, 1%
CMY	0.1168, 0.1168, 0.9931
CMYK	0.00, 0.00, 0.99, 0.12
HSL	60°, 98%, 45%
HSV	60°, 99%, 88%
XYZ	58.1092, 70.0064, 10.4997
YIQ	199.5780, 71.5830, -69.3530

Conversions

Conversions Part 2

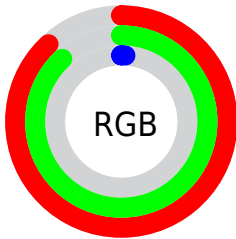
Format	Color
R _Y B	2, 225, 2
Decimal	14803202
CIE Lab	87.00, -19.60, 85.87
CIE LCh	87, 88.081, 102.858
Yxy	70.0064, 0.4192, 0.5050
Android (android.graphics.Color)	4292993282 (0xFFE1E102)
YUV	199.5780, -97.4060, 22.2951
Hunter-Lab	83.6698, -22.4528, 51.1286

Details

The CIELCh color **87, 88.081, 102.858** 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, 121.462, 306.231**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **67, 71.575, 104.661** is the 20% darker color. If you saturate the color by 10%, you get **87, 88.225, 102.849**, and if you desaturate by 10%, it is **87, 85.773, 103.040**.

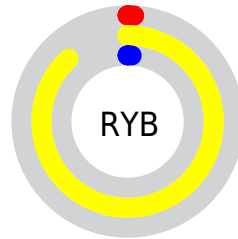
Distribution



Red (88%)

Green (88%)

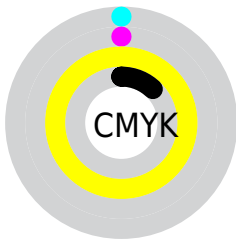
Blue (1%)



Red (1%)

Yellow (88%)

Blue (1%)

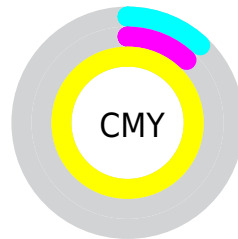


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (12%)



Cyan (12%)


Magenta (12%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 88.081, 102.858 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, 88.081, 102.858 by changing the saturation by 10% instead.


 87, 88.081,
102.858

 87, 88.081,
102.858


 100, 88.081,
102.858


 77, 88.081,
102.858

 67, 88.081,
102.858

 57, 88.081,
102.858

 47, 88.081,
102.858

 37, 88.081,
102.858


 27, 88.081,
102.858


 17, 88.081,

102.858


 7, 88.081, 102.858


 0, 88.081, 102.858


 87, 88.081,
102.858

 87, 88.081,
102.858

 87, 88.225,
102.849

 87, 85.773,
103.040

 87, 81.156,
103.405

 87, 74.253,
103.959

 87, 65.580,
104.669

 88, 55.681,

105.494

■ 88, 44.993,
106.396

■ 88, 33.821,
107.343

■ 89, 22.366,
108.312

■ 89, 10.756,
109.282

Harmonies

Complementary

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



87, 88.081, 102.858



28, 121.462, 306.231

Rectangle

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



87, 88.081, 102.858



87, 88.081, 152.858



87, 88.081, 282.858



87, 88.081, 332.858

Sweetspot

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



87, 88.080, 102.860



98, 38.381, 107.248



47, 94.099, 39.288



52, 26.095, 106.843



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 88.080, 102.860



97, 96.907, 102.849



81, 98.719, 127.607



47, 6.606, 109.261



70, 73.363, 102.849



19, 27.932, 103.883

Inverse Universe

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



28, 121.462, 306.231



32, 133.814, 306.287



36, 113.831, 311.425



43, 6.754, 291.157



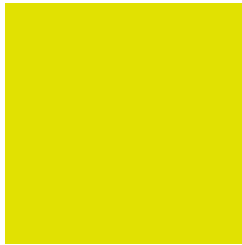
21, 101.303, 306.287



2, 31.633, 295.828

Previews

White Background



This preview shows how the CIELCh color 87, 88.081, 102.858 looks on a white background.

Color Contrast Check

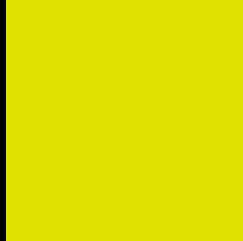
Large Text (above 18pt) WCAG AA × Fail

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, 88.081, 102.858 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, 88.081, 102.858

Background



This preview shows how black text looks on a background with the CIELCh color 87, 88.081, 102.858.

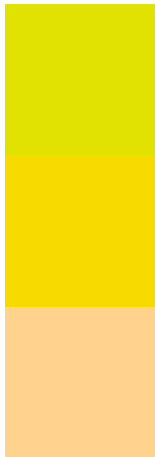


This preview shows how white text looks on a background with the CIELCh color 87, 88.081, 102.858.

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, 87.999, 102.865

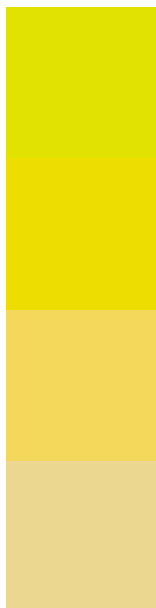
Protanopia
87, 87.019, 94.788

Deuteranopia
87, 40.448, 80.402



Tritanopia
87, 14.316, 342.156

Trichromacy



Original Color
87, 87.999, 102.865

Protanomaly
87, 87.218, 98.007

Deuteranomaly
87, 63.514, 93.938

Tritanomaly
86, 37.660, 94.506

Monochromacy



Original Color
87, 87.999, 102.865

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 41.877, 106.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 88.081, 102.858 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(225, 225, 2)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 2)  
}
```

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(225, 225, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 87, 88.081, 102.858 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(225, 225, 2) }
```

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

```
.border{ border-color:rgb(225, 225, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 2);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 88.081, 102.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 2) }
```

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

```
.background{ background-color: rgb(225,  
225, 2) }
```

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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