

Converting Colors

CIELCh(87, 87.869, 102.852)

Have a look what the booklet for
CIELCh(87, 87.869, 102.852)
contains.

CIELCh(87, 87.835, 102.877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 87.835, 102.877)

Conversions

Conversions Part 1

Format	Color
Hex	E1E105
RGB	225, 225, 5
RGB Percent	88%, 88%, 2%
CMY	0.1168, 0.1169, 0.9814
CMYK	0.00, 0.00, 0.98, 0.12
HSL	60°, 96%, 45%
HSV	60°, 98%, 88%
XYZ	58.1201, 70.0064, 10.5845
YIQ	199.9200, 70.6200, -68.4200

Conversions

Conversions Part 2

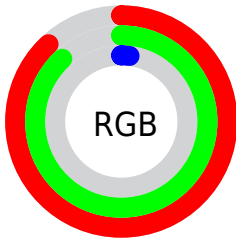
Format	Color
R _Y B	5, 225, 5
Decimal	14803205
CIE Lab	87.00, -19.57, 85.63
CIE LCh	87, 87.835, 102.877
Yxy	70.0064, 0.4190, 0.5047
Android (android.graphics.Color)	4292993285 (0xFFE1E105)
YUV	199.9200, -96.0956, 21.9952
Hunter-Lab	83.6698, -22.4297, 51.0685

Details

The CIELCh color **87, 87.835, 102.877** 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, 120.851, 306.138**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **67, 71.575, 104.661** is the 20% darker color. If you saturate the color by 10%, you get **87, 88.222, 102.849**, and if you desaturate by 10%, it is **87, 85.303, 103.077**.

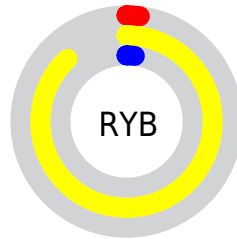
Distribution



Red (88%)

Green (88%)

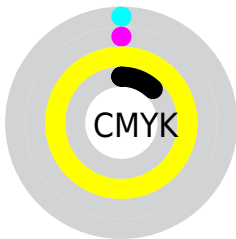
Blue (2%)



Red (2%)

Yellow (88%)

Blue (2%)

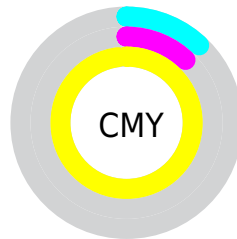


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 87.835, 102.877 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, 87.835, 102.877 by changing the saturation by 10% instead.

 87, 87.835,
102.877

 87, 87.835,
102.877


 100, 87.835,
102.877

 77, 87.835,
102.877

 67, 87.835,
102.877

 57, 87.835,
102.877

 47, 87.835,
102.877

 37, 87.835,
102.877

 27, 87.835,
102.877

 17, 87.835,

102.877

■ 7, 87.835, 102.877

■ 0, 87.835, 102.877

■ 87, 87.835,
102.877

■ 87, 87.835,
102.877

■ 87, 88.222,
102.849

■ 87, 85.303,
103.077

■ 87, 80.363,
103.468

■ 87, 73.195,
104.045

■ 87, 64.330,
104.773

■ 88, 54.305,

105.609

■ 88, 43.539,
106.519

■ 88, 32.320,
107.470

■ 89, 20.839,
108.441

■ 89, 9.215, 109.409

Harmonies

Complementary

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



87, 87.835, 102.877



28, 120.851, 306.138

Rectangle

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



87, 87.835, 102.877



87, 87.835, 152.877



87, 87.835, 282.877



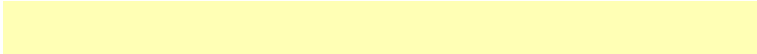
87, 87.835, 332.877

Sweetspot

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



87, 87.834, 102.879



98, 37.128, 107.345



47, 93.430, 39.001



52, 25.391, 106.934



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, 87.834, 102.879



97, 96.907, 102.849



81, 98.275, 127.458



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, 120.851, 306.138



32, 133.814, 306.287



36, 113.252, 311.503



43, 6.754, 291.158



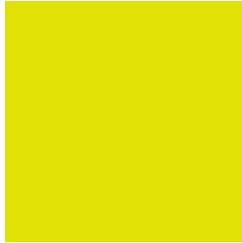
21, 101.303, 306.287



2, 31.633, 295.828

Previews

White Background



This preview shows how the CIELCh color 87, 87.835, 102.877 looks on a white background.

Color Contrast Check

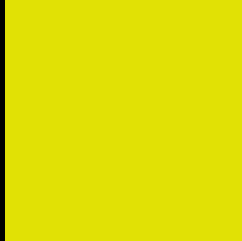
Large Text (above 18pt) WCAG AA × Fail

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, 87.835, 102.877 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, 87.835, 102.877

Background



This preview shows how black text looks on a background with the CIELCh color 87, 87.835, 102.877.



This preview shows how white text looks on a background with the CIELCh color 87, 87.835, 102.877.

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, 87.754, 102.884

Protanopia

87, 87.019, 94.788

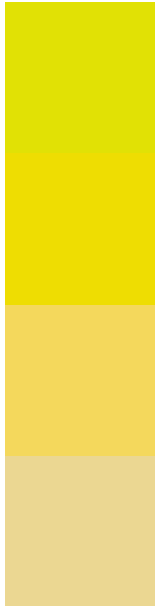
Deuteranopia

87, 40.448, 80.402



Tritanopia
87, 14.316, 342.156

Trichromacy



Original Color
87, 87.754, 102.884

Protanomaly
87, 87.134, 98.010

Deuteranomaly
87, 63.092, 93.908

Tritanomaly
86, 36.670, 94.282

Monochromacy



Original Color
87, 87.754, 102.884

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 41.381, 106.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 87.835, 102.877 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 87.835, 102.877 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, 5) }
```

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

```
.border{ border-color:rgb(225, 225, 5) }
```

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, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 5);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 87.835, 102.877 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, 5) }
```

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

```
.background{ background-color: rgb(225,  
225, 5) }
```

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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