

Converting Colors

CIELCh(85, 84.258, 102.067)

Have a look what the booklet for
CIELCh(85, 84.258, 102.067)
contains.

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Color

CIELCh(85, 84.325, 102.136)

Conversions

Conversions Part 1

Format	Color
Hex	DEDB14
RGB	222, 219, 20
RGB Percent	87%, 86%, 8%
CMY	0.1309, 0.1425, 0.9206
CMYK	0.00, 0.01, 0.91, 0.13
HSL	59°, 83%, 47%
HSV	59°, 91%, 87%
XYZ	55.3812, 66.0070, 10.4940
YIQ	197.2110, 65.6670, -61.2530

Conversions

Conversions Part 2

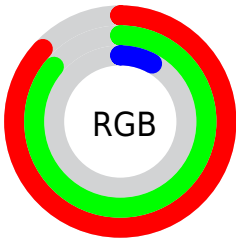
Format	Color
R _Y B	23, 222, 20
Decimal	14605076
CIE Lab	85.00, -17.73, 82.44
CIE LCh	85, 84.325, 102.136
Yxy	66.0070, 0.4199, 0.5005
Android (android.graphics.Color)	4292795156 (0xFFDEDB14)
YUV	197.2110, -87.3650, 21.7400
Hunter-Lab	81.2447, -20.5020, 49.2131

Details

The CIELCh color **85, 84.325, 102.136** 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 **29, 114.758, 305.339**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.384, 104.346**, and **65, 69.662, 103.602** is the 20% darker color. If you saturate the color by 10%, you get **85, 86.206, 101.913**, and if you desaturate by 10%, it is **85, 80.187, 102.538**.

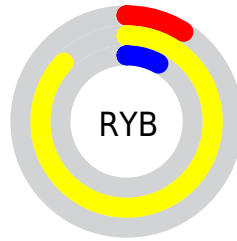
Distribution



Red (87%)

Green (86%)

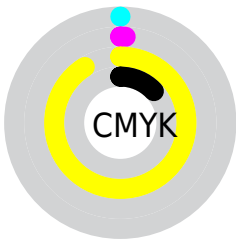
Blue (8%)



Red (9%)

Yellow (87%)

Blue (8%)

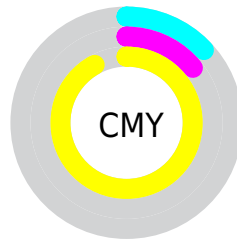


Cyan (0%)

Magenta (1%)

Yellow (91%)

Black (13%)



Cyan (13%)

Magenta (14%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 84.325, 102.136 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 85, 84.325, 102.136 by changing the saturation by 10% instead.


 85, 84.325,
102.136


 85, 84.325,
102.136


 100, 84.325,
102.136


 75, 84.325,
102.136

 65, 84.325,
102.136

 55, 84.325,
102.136

 45, 84.325,
102.136

 35, 84.325,
102.136


 25, 84.325,
102.136


 15, 84.325,


102.136


 5, 84.325, 102.136


 0, 84.325, 102.136

 85, 84.325,
102.136


 85, 84.325,
102.136

 85, 86.206,
101.913

 85, 80.187,
102.538

 85, 73.736,
103.116

 86, 65.466,
103.844

 86, 55.935,
104.684

 86, 45.590,

105.599

■ 87, 34.749,
106.560

■ 87, 23.619,
107.542

■ 88, 12.334,
108.525

■ 88, 0.976, 109.429

Harmonies

Complementary

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



85, 84.325, 102.136



29, 114.758, 305.339

Rectangle

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



85, 84.325, 102.136



85, 84.325, 152.136



85, 84.325, 282.136



85, 84.325, 332.136

Sweetspot

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



85, 84.324, 102.138



98, 34.138, 106.917



47, 88.139, 37.051



52, 22.953, 106.580



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 84.324, 102.138



96, 95.834, 101.905



80, 94.495, 126.668



46, 6.389, 108.665



68, 71.790, 101.928



18, 26.123, 103.391

Inverse Universe

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



29, 114.758, 305.339



32, 133.238, 306.169



37, 108.526, 311.918



42, 6.528, 290.578



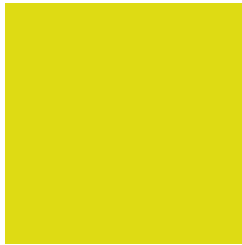
20, 99.517, 306.096



2, 29.298, 294.609

Previews

White Background



This preview shows how the CIELCh color 85, 84.325, 102.136 looks on a white background.

Color Contrast Check

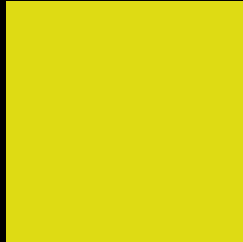
Large Text (above 18pt) WCAG AA × Fail

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 85, 84.325, 102.136 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 85, 84.325, 102.136

Background



This preview shows how black text looks on a background with the CIELCh color 85, 84.325, 102.136.



This preview shows how white text looks on a background with the CIELCh color 85, 84.325, 102.136.

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
85, 84.461, 102.126

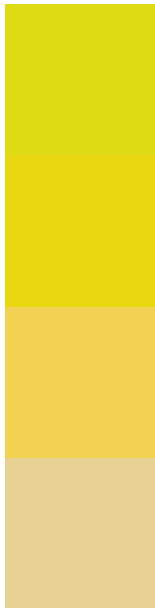
Protanopia
85, 83.832, 95.188

Deuteranopia
85, 50.416, 80.724



Tritanopia
85, 14.673, 345.664

Trichromacy



Original Color
85, 84.461, 102.126

Protanomaly
85, 83.871, 97.624

Deuteranomaly
85, 65.078, 91.538

Tritanomaly
84, 33.588, 91.885

Monochromacy



Original Color
85, 84.461, 102.126

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 37.497, 106.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 84.325, 102.136 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, 219, 20)` looks like.

```
.text, #text, p{  
    color:rgb(222, 219, 20)  
}
```

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, 219, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 219, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 84.325, 102.136 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, 219, 20) }
```

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

```
.border{ border-color:rgb(222, 219, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 219, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 219, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 219, 20);  
box-shadow:4px 4px 4px 4px rgb(222, 219,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 84.325, 102.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 219, 20) }
```

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

```
.background{ background-color: rgb(222,  
219, 20) }
```

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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