

Converting Colors

CIELCh(85, 85.730, 101.980)

Have a look what the booklet for
CIELCh(85, 85.730, 101.980)
contains.

CIELCh(85, 85.797, 102.032)	3
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Color

CIELCh(85, 85.797, 102.032)

Conversions

Conversions Part 1

Format	Color
Hex	DEDB06
RGB	222, 219, 6
RGB Percent	87%, 86%, 2%
CMY	0.1306, 0.1423, 0.9764
CMYK	0.00, 0.01, 0.97, 0.13
HSL	59°, 95%, 45%
HSV	59°, 97%, 87%
XYZ	55.3187, 66.0070, 9.9968
YIQ	195.6150, 70.1610, -65.6070

Conversions

Conversions Part 2

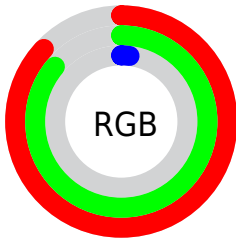
Format	Color
R _Y B	9, 222, 6
Decimal	14605062
CIE Lab	85.00, -17.89, 83.91
CIE LCh	85, 85.797, 102.032
Yxy	66.0070, 0.4212, 0.5026
Android (android.graphics.Color)	4292795142 (0xFFDEDB06)
YUV	195.6150, -93.4802, 23.1396
Hunter-Lab	81.2447, -20.6393, 49.5759

Details

The CIELCh color **85, 85.797, 102.032** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **28, 118.580, 305.965**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **65, 69.662, 103.602** is the 20% darker color. If you saturate the color by 10%, you get **85, 86.285, 101.974**, and if you desaturate by 10%, it is **85, 83.204, 102.315**.

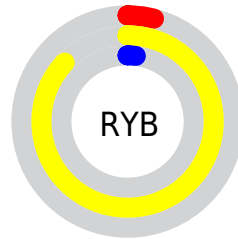
Distribution



Red (87%)

Green (86%)

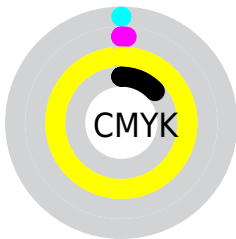
Blue (2%)



Red (4%)

Yellow (87%)

Blue (2%)

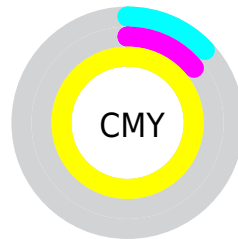


Cyan (0%)

Magenta (1%)

Yellow (97%)

Black (13%)



Cyan (13%)


Magenta (14%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 85.797, 102.032 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, 85.797, 102.032 by changing the saturation by 10% instead.


 85, 85.797,
102.032


 85, 85.797,
102.032


 100, 85.797,
102.032


 75, 85.797,
102.032

 65, 85.797,
102.032

 55, 85.797,
102.032

 45, 85.797,
102.032

 35, 85.797,
102.032

 25, 85.797,
102.032

 15, 85.797,

102.032

■ 5, 85.797, 102.032

■ 0, 85.797, 102.032

■ 85, 85.797,
102.032

■ 85, 85.797,
102.032

■ 85, 86.285,
101.974

■ 85, 83.204,
102.315

■ 85, 78.195,
102.776

■ 85, 71.023,
103.409

■ 86, 62.236,
104.179

■ 86, 52.362,

105.047

■ 86, 41.800,
105.981

■ 87, 30.826,
106.950

■ 87, 19.616,
107.934

■ 88, 8.284, 108.912

Harmonies

Complementary

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



85, 85.797, 102.032



28, 118.580, 305.965

Rectangle

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



85, 85.797, 102.032



85, 85.797, 152.032



85, 85.797, 282.032



85, 85.797, 332.032

Sweetspot

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



85, 85.796, 102.034



98, 36.654, 106.761



46, 91.995, 38.852



52, 25.073, 106.342



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, 85.796, 102.034



96, 95.902, 101.967



80, 96.892, 127.376



46, 6.395, 108.704



68, 71.840, 101.989



18, 26.147, 103.441

Inverse Universe

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



28, 118.580, 305.965



32, 133.275, 306.176



35, 111.631, 311.548



42, 6.534, 290.616



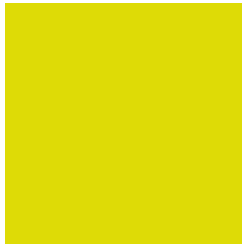
20, 99.562, 306.108



2, 29.317, 294.629

Previews

White Background



This preview shows how the CIELCh color 85, 85.797, 102.032 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, 85.797, 102.032 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, 85.797, 102.032

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.797, 102.032.



This preview shows how white text looks on a background with the CIELCh color 85, 85.797, 102.032.

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, 85.882, 102.027

Protanopia

85, 85.422, 95.195

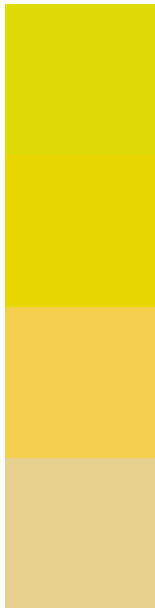
Deuteranopia

85, 50.869, 80.898



Tritanopia
85, 14.673, 345.664

Trichromacy



Original Color
85, 85.882, 102.027

Protanomaly
85, 85.400, 97.590

Deuteranomaly
85, 67.460, 91.756

Tritanomaly
84, 36.067, 92.652

Monochromacy



Original Color
85, 85.882, 102.027

Achromatopsia
79, 0.010, 296.813

Achromatomaly
81, 40.536, 105.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.797, 102.032 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(222, 219, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 219, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.797, 102.032 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, 6) }
```

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

```
.border{ border-color:rgb(222, 219, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 219, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 219, 6);  
box-shadow:4px 4px 4px 4px rgb(222, 219,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.797, 102.032 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, 6) }
```

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

```
.background{ background-color: rgb(222,  
219, 6) }
```

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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