

Converting Colors

CIELCh(85, 49.854, 103.206)

Have a look what the booklet for
CIELCh(85, 49.854, 103.206)
contains.

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Color

CIELCh(85, 50.005, 102.992)

Conversions

Conversions Part 1

Format	Color
Hex	DED876
RGB	222, 216, 118
RGB Percent	87%, 85%, 46%
CMY	0.1291, 0.1526, 0.5369
CMYK	0.00, 0.03, 0.47, 0.13
HSL	57°, 61%, 67%
HSV	57°, 47%, 87%
XYZ	58.0019, 66.0070, 26.8471
YIQ	206.6220, 35.0340, -29.2060

Conversions

Conversions Part 2

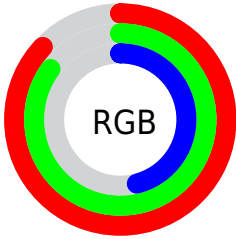
Format	Color
RYB	124, 222, 118
Decimal	14604406
CIELab	85.00, -11.24, 48.72
CIElCh	85, 50.005, 102.992
Yxy	66.0070, 0.3845, 0.4375
Android (android.graphics.Color)	4292794486 (0xFFDED876)
YUV	206.6220, -43.6906, 13.4865
Hunter-Lab	81.2447, -14.7442, 37.2791

Details

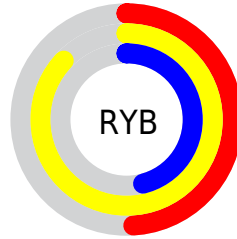
The CIELCh color **85, 50.005, 102.992** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **56, 56.029, 294.710**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **65, 49.967, 102.742** is the 20% darker color. If you saturate the color by 10%, you get **84, 59.679, 102.035**, and if you desaturate by 10%, it is **86, 39.734, 104.000**.

Distribution



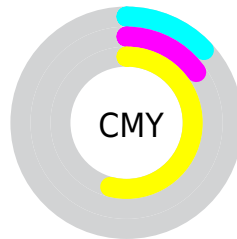
- Red (87%)
- Green (85%)
- Blue (46%)



- Red (49%)
- Yellow (87%)
- Blue (46%)



- Cyan (0%)
- Magenta (3%)
- Yellow (47%)
- Black (13%)





- Cyan (13%)
- Magenta (15%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 50.005, 102.992 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, 50.005, 102.992 by changing the saturation by 10% instead.


 85, 50.005,
102.992

 85, 50.005,
102.992


 100, 50.005,
102.992


 75, 50.005,
102.992

 65, 50.005,
102.992

 55, 50.005,
102.992

 45, 50.005,
102.992

 35, 50.005,
102.992


 25, 50.005,
102.992


 15, 50.005,


102.992


 5, 50.005, 102.992

 0, 50.005, 102.992

 85, 50.005,
102.992


 85, 50.005,
102.992


 84, 59.679,
102.035

 86, 39.734,
104.000

 84, 68.365,
101.146

 86, 29.117,
105.026

 83, 75.532,
100.359

 87, 18.318,
106.056

 83, 80.583, 99.697

 88, 7.437, 107.070

 83, 83.154, 99.164

 89, 3.464, 288.109

■ 83, 83.681, 99.010

■ 90, 14.346,
289.058

■ 90, 15.585,
287.761

■ 90, 14.933,
285.882

■ 91, 14.298,
283.840

Harmonies

Complementary

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



85, 50.005, 102.992



56, 56.029, 294.710

Rectangle

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



85, 50.005, 102.992



85, 50.005, 152.992



85, 50.005, 282.992



85, 50.005, 332.992

Sweetspot

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



85, 50.006, 102.995



99, 17.051, 106.335



62, 43.577, 19.649



52, 11.768, 106.112



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, 50.006, 102.995



96, 65.837, 102.072



83, 55.837, 124.436



47, 6.236, 106.808



67, 70.366, 99.072



18, 26.445, 100.701

Inverse Universe

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



56, 56.029, 294.710



56, 76.405, 296.810



58, 60.535, 309.380



43, 6.359, 288.792



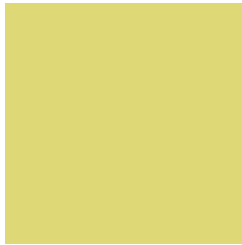
21, 98.648, 305.554



3, 30.366, 294.647

Previews

White Background



This preview shows how the CIELCh color 85, 50.005, 102.992 looks on a white background.

Color Contrast Check

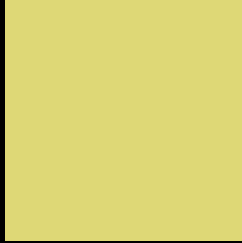
Large Text (above 18pt) WCAG AA × Fail

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, 50.005, 102.992 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, 50.005, 102.992

Background



This preview shows how black text looks on a background with the CIELCh color 85, 50.005, 102.992.



This preview shows how white text looks on a background with the CIELCh color 85, 50.005, 102.992.

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, 50.005, 102.992

Protanopia

85, 49.504, 95.665

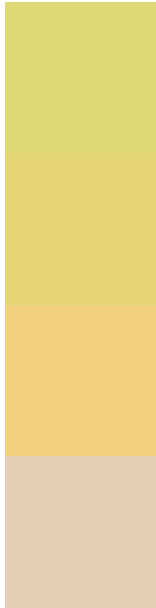
Deuteranopia

85, 43.418, 76.784



Tritanopia
85, 13.492, 341.941

Trichromacy



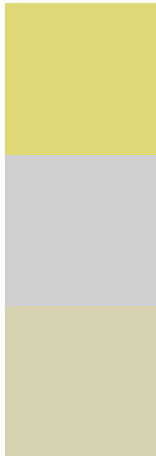
Original Color
85, 50.005, 102.992

Protanomaly
85, 49.579, 98.126

Deuteranomaly
85, 44.616, 87.318

Tritanomaly
85, 15.439, 77.390

Monochromacy



Original Color
85, 50.005, 102.992

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 18.355, 106.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 50.005, 102.992 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, 216, 118)` looks like.

```
.text, #text, p{  
    color:rgb(222, 216, 118)  
}
```

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, 216, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 216, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 50.005, 102.992 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, 216, 118) }
```

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

```
.border{ border-color:rgb(222, 216, 118) }
```

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

Here you see how a box with a 4 pixel rgb(222, 216, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 216, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 216, 118);  
box-shadow:4px 4px 4px 4px rgb(222, 216,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 50.005, 102.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 216, 118) }
```

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

```
.background{ background-color: rgb(222,  
216, 118) }
```

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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