

Converting Colors

CIELCh(85, 85.436, 99.684)

Have a look what the booklet for
CIELCh(85, 85.436, 99.684) contains.

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Color

CIELCh(85, 85.493, 99.681)

Conversions

Conversions Part 1

Format	Color
Hex	E4D904
RGB	228, 217, 4
RGB Percent	89%, 85%, 2%
CMY	0.1066, 0.1497, 0.9827
CMYK	0.00, 0.05, 0.98, 0.11
HSL	57°, 96%, 46%
HSV	57°, 98%, 89%
XYZ	56.7252, 66.0070, 9.8765
YIQ	196.0070, 74.9290, -63.9110

Conversions

Conversions Part 2

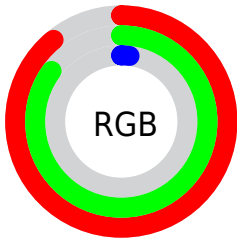
Format	Color
RYB	16, 228, 4
Decimal	14997764
CIELab	85.00, -14.38, 84.28
CIELCh	85, 85.493, 99.681
Yxy	66.0070, 0.4278, 0.4978
Android (android.graphics.Color)	4293187844 (0xFFE4D904)
YUV	196.0070, -94.6595, 28.0579
Hunter-Lab	81.2447, -17.5492, 49.6637

Details

The CIELCh color **85, 85.493, 99.681** 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, 119.901, 305.676**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **65, 69.368, 100.961** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.813, 99.600**, and if you desaturate by 10%, it is **85, 83.145, 100.151**.

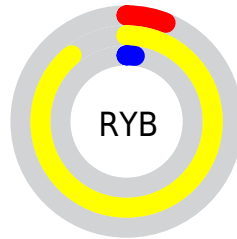
Distribution



Red (89%)

Green (85%)

Blue (2%)



Red (6%)

Yellow (89%)

Blue (2%)

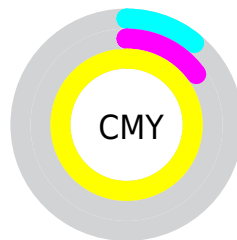


Cyan (0%)

Magenta (5%)

Yellow (98%)

Black (11%)



Cyan (11%)

Magenta (15%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 85.493, 99.681 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, 85.493, 99.681 by changing the saturation by 10% instead.

 85, 85.493, 99.681

 85, 85.493, 99.681

 100, 85.493,
99.681

 75, 85.493, 99.681

 65, 85.493, 99.681

 55, 85.493, 99.681

 45, 85.493, 99.681

 35, 85.493, 99.681

 25, 85.493, 99.681

 15, 85.493, 99.681

 5, 85.493, 99.681

 0, 85.493, 99.681

■ 85, 85.493, 99.681

■ 85, 85.493, 99.681

■ 85, 85.813, 99.600

■ 85, 83.145,
100.151

■ 86, 78.311,
100.756

■ 86, 71.235,
101.499

■ 87, 62.510,
102.353

■ 87, 52.695,
103.289

■ 88, 42.208,
104.277

■ 88, 31.330,
105.292

■ 89, 20.239,
106.315

Harmonies

Complementary

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



85, 85.493, 99.681



29, 119.901, 305.676

Rectangle

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



85, 85.493, 99.681



85, 85.493, 149.681



85, 85.493, 279.681



85, 85.493, 329.681

Sweetspot

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



85, 85.492, 99.683



98, 35.451, 105.178



48, 93.038, 37.981



52, 24.263, 104.741



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, 85.492, 99.683



94, 93.429, 99.579



82, 98.117, 126.295



48, 6.407, 107.187



68, 71.544, 99.654



19, 28.026, 100.959

Inverse Universe

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



29, 119.901, 305.676



33, 131.881, 305.887



35, 115.121, 310.774



44, 6.537, 289.163



22, 100.132, 305.672



3, 32.526, 295.823

Previews

White Background



This preview shows how the CIELCh color 85, 85.493, 99.681 looks on a white background.

Color Contrast Check

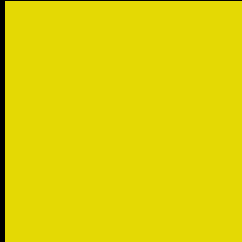
Large Text (above 18pt) WCAG AA × Fail

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, 85.493, 99.681 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, 85.493, 99.681

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.493, 99.681.

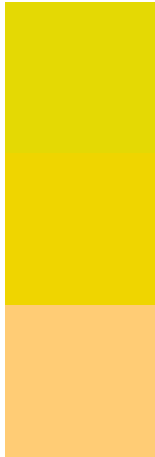


This preview shows how white text looks on a background with the CIELCh color 85, 85.493, 99.681.

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, 85.578, 99.677

Protanopia

85, 85.422, 95.195

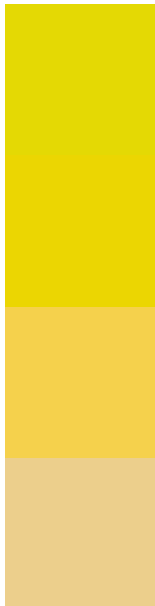
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 16.302, 351.900

Trichromacy



Original Color
85, 85.578, 99.677

Protanomaly
85, 85.248, 96.687

Deuteranomaly
85, 67.686, 91.042

Tritanomaly
84, 37.023, 88.279

Monochromacy



Original Color
85, 85.578, 99.677

Achromatopsia
79, 0.010, 296.813

Achromatomaly
81, 40.570, 104.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.493, 99.681 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(228, 217, 4)` looks like.

```
.text, #text, p{  
    color:rgb(228, 217, 4)  
}
```

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(228, 217, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 217, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.493, 99.681 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(228, 217, 4) }
```

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

```
.border{ border-color:rgb(228, 217, 4) }
```

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

Here you see how a box with a 4 pixel rgb(228, 217, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 217, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 217, 4);  
box-shadow:4px 4px 4px 4px rgb(228, 217,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.493, 99.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 217, 4) }
```

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

```
.background{ background-color: rgb(228,  
217, 4) }
```

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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