

Converting Colors

CIELCh(85, 65.065, 104.013)

Have a look what the booklet for
CIELCh(85, 65.065, 104.013)
contains.

CIELCh(85, 65.107, 103.833)	3
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Color

CIELCh(85, 65.107, 103.833)

Conversions

Conversions Part 1

Format	Color
Hex	DCDA56
RGB	220, 218, 86
RGB Percent	86%, 85%, 34%
CMY	0.1374, 0.1452, 0.6629
CMYK	0.00, 0.01, 0.61, 0.14
HSL	59°, 66%, 60%
HSV	59°, 61%, 86%
XYZ	56.2455, 66.0070, 18.5734
YIQ	203.5500, 43.5640, -40.6280

Conversions

Conversions Part 2

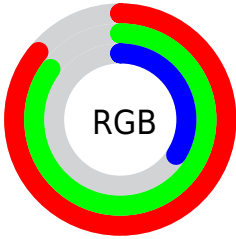
Format	Color
RYB	88, 220, 86
Decimal	14473814
CIELab	85.00, -15.57, 63.22
CIELCh	85, 65.107, 103.833
Yxy	66.0070, 0.3994, 0.4687
Android (android.graphics.Color)	4292663894 (0xFFDCDA56)
YUV	203.5500, -57.9521, 14.4267
Hunter-Lab	81.2447, -18.6031, 43.3170

Details

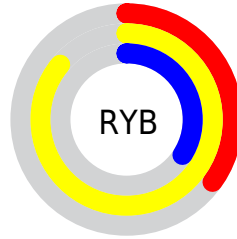
The CIELCh color **85, 65.107, 103.833** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **44, 77.949, 299.360**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 56.312, 105.868**, and **65, 65.071, 103.678** is the 20% darker color. If you saturate the color by 10%, you get **85, 73.323, 103.108**, and if you desaturate by 10%, it is **85, 55.637, 104.675**.

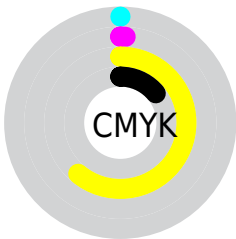
Distribution



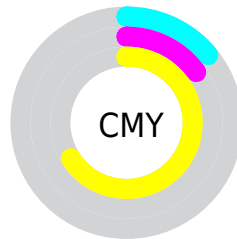
- Red (86%)
- Green (85%)
- Blue (34%)



- Red (35%)
- Yellow (86%)
- Blue (34%)



- Cyan (0%)
- Magenta (1%)
- Yellow (61%)
- Black (14%)





- Cyan (14%)
- Magenta (15%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 65.107, 103.833 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, 65.107, 103.833 by changing the saturation by 10% instead.


 85, 65.107,
103.833


 85, 65.107,
103.833


 100, 65.107,
103.833


 75, 65.107,
103.833

 65, 65.107,
103.833

 55, 65.107,
103.833

 45, 65.107,
103.833

 35, 65.107,
103.833

 25, 65.107,
103.833

 15, 65.107,

103.833

■ 5, 65.107, 103.833

■ 0, 65.107, 103.833

■ 85, 65.107,
103.833

■ 85, 65.107,
103.833

■ 85, 73.323,
103.108

■ 85, 55.637,
104.675

■ 85, 79.732,
102.530

■ 86, 45.359,
105.590

■ 84, 83.841,
102.130

■ 86, 34.586,
106.550

■ 84, 85.711,
101.904

■ 87, 23.526,
107.532

■ 87, 12.311,

108.515

■ 88, 1.025, 109.422

■ 88, 10.279,
290.455

■ 89, 17.951,
290.970

■ 89, 17.776,
290.595

Harmonies

Complementary

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



85, 65.107, 103.833



44, 77.949, 299.360

Rectangle

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



85, 65.107, 103.833



85, 65.107, 153.833



85, 65.107, 283.833



85, 65.107, 333.833

Sweetspot

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



85, 65.108, 103.835



99, 22.849, 107.805



55, 58.839, 26.646



53, 15.860, 107.515



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, 65.108, 103.835



97, 84.135, 102.936



81, 71.292, 125.815



46, 6.388, 108.660



68, 71.782, 101.920



18, 26.119, 103.384

Inverse Universe

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



44, 77.949, 299.360



43, 106.686, 302.231



50, 78.528, 311.650



42, 6.527, 290.573



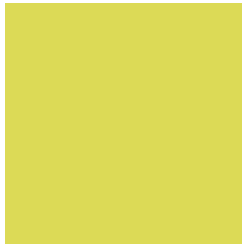
20, 99.511, 306.094



2, 29.295, 294.606

Previews

White Background



This preview shows how the CIELCh color 85, 65.107, 103.833 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, 65.107, 103.833 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, 65.107, 103.833

Background



This preview shows how black text looks on a background with the CIELCh color 85, 65.107, 103.833.

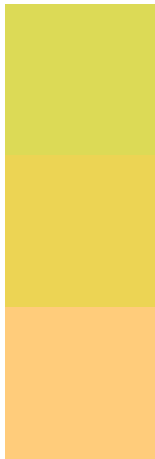


This preview shows how white text looks on a background with the CIELCh color 85, 65.107, 103.833.

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, 65.107, 103.833

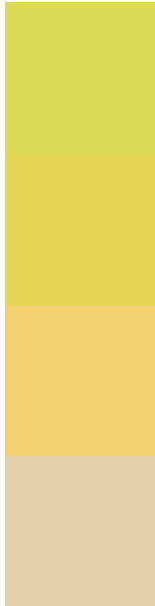
Protanopia
85, 64.482, 95.403

Deuteranopia
85, 47.694, 79.590



Tritanopia
85, 13.492, 341.941

Trichromacy



Original Color
85, 65.107, 103.833

Protanomaly
85, 64.336, 98.501

Deuteranomaly
85, 52.745, 90.307

Tritanomaly
85, 21.284, 87.915

Monochromacy



Original Color
85, 65.107, 103.833

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 25.117, 107.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 65.107, 103.833 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(220, 218, 86)` looks like.

```
.text, #text, p{  
    color:rgb(220, 218, 86)  
}
```

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(220, 218, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 218, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 65.107, 103.833 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(220, 218, 86) }
```

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

```
.border{ border-color:rgb(220, 218, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 218, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 218, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 218, 86);  
box-shadow:4px 4px 4px 4px rgb(220, 218,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 65.107, 103.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 218, 86) }
```

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

```
.background{ background-color: rgb(220,  
218, 86) }
```

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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