

Converting Colors

CIELCh(85, 65.286, 107.885)

Have a look what the booklet for
CIELCh(85, 65.286, 107.885)
contains.

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Color

CIELCh(85, 65.162, 107.577)

Conversions

Conversions Part 1

Format	Color
Hex	D4DC58
RGB	212, 220, 88
RGB Percent	83%, 86%, 35%
CMY	0.1679, 0.1366, 0.6542
CMYK	0.04, 0.00, 0.60, 0.14
HSL	64°, 65%, 60%
HSV	64°, 60%, 86%
XYZ	54.6090, 66.0070, 19.1309
YIQ	202.5600, 37.6040, -42.7480

Conversions

Conversions Part 2

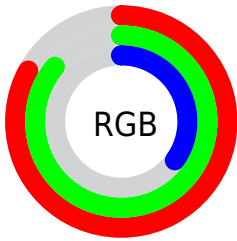
Format	Color
R _Y B	88, 220, 96
Decimal	13950040
CIE Lab	85.00, -19.68, 62.12
CIE LCh	85, 65.162, 107.577
Yxy	66.0070, 0.3908, 0.4723
Android (android.graphics.Color)	4292140120 (0xFFD4DC58)
YUV	202.5600, -56.4781, 8.2789
Hunter-Lab	81.2447, -22.1987, 42.9101

Details

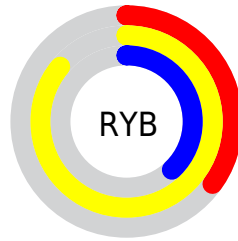
The CIELCh color **85, 65.162, 107.577** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **45, 77.743, 300.863**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 55.386, 105.939**, and **65, 65.239, 107.696** is the 20% darker color. If you saturate the color by 10%, you get **85, 73.609, 107.009**, and if you desaturate by 10%, it is **85, 55.492, 108.289**.

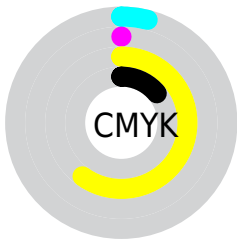
Distribution



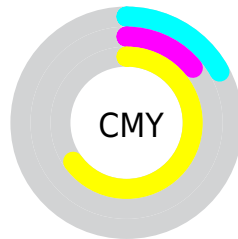
- Red (83%)
- Green (86%)
- Blue (35%)



- Red (35%)
- Yellow (86%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)





- Cyan (17%)
- Magenta (14%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 65.162, 107.577 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, 65.162, 107.577 by changing the saturation by 10% instead.


 85, 65.162,
107.577


 85, 65.162,
107.577


 100, 65.162,
107.577


 75, 65.162,
107.577

 65, 65.162,
107.577

 55, 65.162,
107.577

 45, 65.162,
107.577

 35, 65.162,
107.577

 25, 65.162,
107.577

 15, 65.162,

107.577

■ 5, 65.162, 107.577

■ 0, 65.162, 107.577

■ 85, 65.162,
107.577

■ 85, 65.162,
107.577

■ 85, 73.609,
107.009

■ 85, 55.492,
108.289

■ 85, 80.294,
106.635

■ 86, 45.028,
109.090

■ 84, 84.723,
106.510

■ 86, 34.073,
109.942

■ 84, 86.977,
106.626

■ 87, 22.828,
110.818

■ 84, 86.985,

■ 87, 11.421,

106.627

111.696

■ 88, 0.062, 293.282

■ 89, 11.565,
293.414

■ 89, 18.208,
294.483

■ 89, 18.242,
295.894

Harmonies

Complementary

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



85, 65.162, 107.577



45, 77.743, 300.863

Rectangle

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



85, 65.162, 107.577



85, 65.162, 157.577



85, 65.162, 287.577



85, 65.162, 337.577

Sweetspot

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



85, 65.163, 107.579



99, 23.212, 110.977



56, 56.338, 30.294



53, 16.110, 110.719



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, 65.163, 107.579



96, 84.429, 106.889



81, 71.711, 128.147



46, 6.492, 111.741



68, 72.778, 106.568



18, 26.530, 107.591

Inverse Universe

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



45, 77.743, 300.863



44, 106.326, 303.246



52, 77.515, 313.561



42, 6.637, 293.439



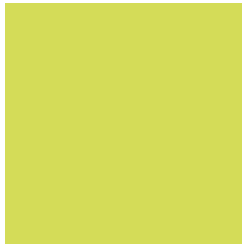
20, 99.900, 306.480



2, 29.676, 296.407

Previews

White Background



This preview shows how the CIELCh color 85, 65.162, 107.577 looks on a white background.

Color Contrast Check

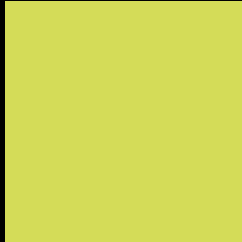
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 65.162, 107.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

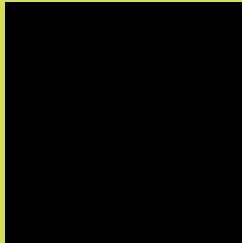
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 65.162, 107.577

Background



This preview shows how black text looks on a background with the CIELCh color 85, 65.162, 107.577.



This preview shows how white text looks on a background with the CIELCh color 85, 65.162, 107.577.

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](#).

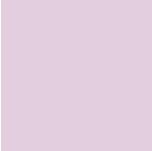
Dichromacy



Original Color
85, 65.162, 107.577

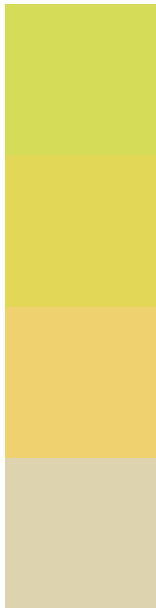
Protanopia
85, 63.654, 95.366

Deuteranopia
85, 47.044, 78.697



Tritanopia
85, 11.520, 329.344

Trichromacy



Original Color
85, 65.162, 107.577

Protanomaly
85, 63.721, 100.057

Deuteranomaly
85, 51.916, 91.574

Tritanomaly
84, 19.743, 97.133

Monochromacy



Original Color
85, 65.162, 107.577

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 25.152, 110.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 65.162, 107.577 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(212, 220, 88)` looks like.

```
.text, #text, p{  
    color:rgb(212, 220, 88)  
}
```

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(212, 220, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 220, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 65.162, 107.577 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(212, 220, 88) }
```

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

```
.border{ border-color:rgb(212, 220, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 220, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 220, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 220, 88);  
box-shadow:4px 4px 4px 4px rgb(212, 220,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 65.162, 107.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 220, 88) }
```

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

```
.background{ background-color: rgb(212,  
220, 88) }
```

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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