

Converting Colors

CIELCh(82, 65.806, 110.149)

Have a look what the booklet for
CIELCh(82, 65.806, 110.149)
contains.

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Color

CIELCh(82, 65.865, 109.963)

Conversions

Conversions Part 1

Format	Color
Hex	C6D550
RGB	198, 213, 80
RGB Percent	78%, 84%, 31%
CMY	0.2228, 0.1639, 0.6855
CMYK	0.07, 0.00, 0.62, 0.16
HSL	67°, 61%, 58%
HSV	67°, 62%, 84%
XYZ	48.6373, 60.2982, 16.7005
YIQ	193.3530, 33.7530, -44.5430

Conversions

Conversions Part 2

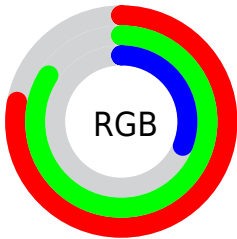
Format	Color
R_{YB}	80, 213, 95
Decimal	13030736
CIE _{Lab}	82.00, -22.49, 61.91
CIE _{LCh}	82, 65.865, 109.963
Yxy	60.2982, 0.3871, 0.4799
Android (android.graphics.Color)	4291220816 (0xFFC6D550)
YUV	193.3530, -55.8830, 4.0754
Hunter-Lab	77.6519, -24.0873, 41.6049

Details

The CIELCh color **82, 65.865, 109.963** 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 **43, 78.910, 302.372**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 59.063, 105.657**, and **62, 65.629, 109.857** is the 20% darker color. If you saturate the color by 10%, you get **82, 73.808, 109.546**, and if you desaturate by 10%, it is **82, 56.631, 110.556**.

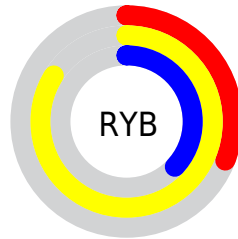
Distribution



Red (78%)

Green (84%)

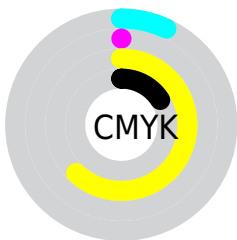
Blue (31%)



Red (31%)

Yellow (84%)

Blue (37%)

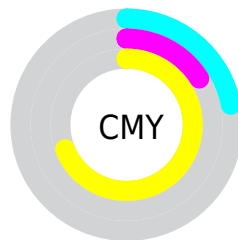


Cyan (7%)

Magenta (0%)

Yellow (62%)

Black (16%)



Cyan (22%)


Magenta (16%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 65.865, 109.963 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 82, 65.865, 109.963 by changing the saturation by 10% instead.


 82, 65.865,
109.963


 82, 65.865,
109.963


 100, 65.865,
109.963


 72, 65.865,
109.963

 62, 65.865,
109.963

 52, 65.865,
109.963

 42, 65.865,
109.963

 32, 65.865,
109.963

 22, 65.865,
109.963

 12, 65.865,

109.963

■ 2, 65.865, 109.963

■ 0, 65.865, 109.963

■ 82, 65.865,
109.963

■ 82, 65.865,
109.963

■ 82, 73.808,
109.546

■ 82, 56.631,
110.556

■ 81, 79.930,
109.371

■ 83, 46.547,
111.258

■ 81, 83.797,
109.503

■ 83, 35.930,
112.025

■ 81, 85.435,
109.783

■ 84, 24.993,
112.822

■ 84, 13.876,

113.625

■ 85, 2.671, 114.412

■ 86, 8.563, 295.195

■ 87, 19.782,
295.935

■ 87, 22.079,
297.748

Harmonies

Complementary

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



82, 65.865, 109.963



43, 78.910, 302.372

Rectangle

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



82, 65.865, 109.963



82, 65.865, 159.963



82, 65.865, 289.963



82, 65.865, 339.963

Sweetspot

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



82, 65.866, 109.965



99, 24.562, 113.079



55, 55.606, 33.784



52, 16.884, 112.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 65.866, 109.965



96, 87.116, 109.456



78, 73.380, 129.695



45, 6.385, 113.861



66, 72.422, 109.682



16, 25.162, 110.884

Inverse Universe

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



43, 78.910, 302.372



42, 110.251, 304.499



50, 78.488, 315.121



41, 6.525, 295.399



20, 98.462, 306.702



2, 27.703, 296.853

Previews

White Background



This preview shows how the CIELCh color 82, 65.865, 109.963 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 82, 65.865, 109.963 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 82, 65.865, 109.963

Background



This preview shows how black text looks on a background with the CIELCh color 82, 65.865, 109.963.

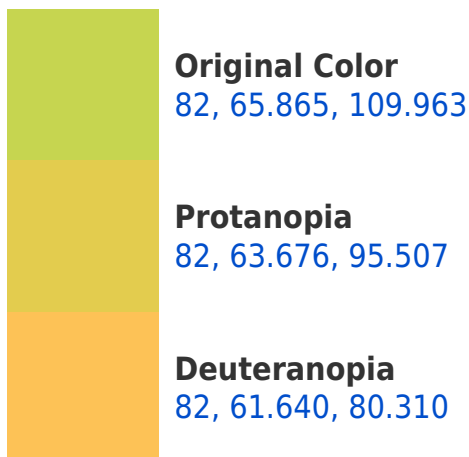



This preview shows how white text looks on a background with the CIELCh color 82, 65.865, 109.963.

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





Tritanopia
82, 9.098, 319.094

Trichromacy



Original Color
82, 65.865, 109.963

Protanomaly
82, 63.729, 100.628

Deuteranomaly
82, 60.850, 91.606

Tritanomaly
82, 20.526, 106.165

Monochromacy



Original Color
82, 65.865, 109.963

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 25.382, 112.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 65.865, 109.963 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(198, 213, 80)` looks like.

```
.text, #text, p{  
    color:rgb(198, 213, 80)  
}
```

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(198, 213, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 213, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 65.865, 109.963 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(198, 213, 80) }
```

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

```
.border{ border-color:rgb(198, 213, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 213, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 213, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 213, 80);  
box-shadow:4px 4px 4px 4px rgb(198, 213,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 65.865, 109.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 213, 80) }
```

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

```
.background{ background-color: rgb(198,  
213, 80) }
```

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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