

Converting Colors

CIELCh(84, 85.412, 107.598)

Have a look what the booklet for
CIELCh(84, 85.412, 107.598)
contains.

CIELCh(84, 85.361, 107.587)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 85.361, 107.587)

Conversions

Conversions Part 1

Format	Color
Hex	CCDC12
RGB	204, 220, 18
RGB Percent	80%, 86%, 7%
CMY	0.2000, 0.1372, 0.9294
CMYK	0.07, 0.00, 0.92, 0.14
HSL	65°, 85%, 47%
HSV	65°, 92%, 86%
XYZ	50.6026, 64.0658, 10.2708
YIQ	192.1880, 55.3060, -66.2140

Conversions

Conversions Part 2

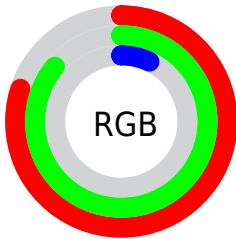
Format	Color
R _{YB}	18, 220, 34
Decimal	13425682
CIE Lab	84.00, -25.79, 81.37
CIE LCh	84, 85.361, 107.587
Yxy	64.0658, 0.4050, 0.5128
Android (android.graphics.Color)	4291615762 (0xFFCCDC12)
YUV	192.1880, -85.8747, 10.3591
Hunter-Lab	80.0411, -27.2228, 48.4207

Details

The CIELCh color **84, 85.361, 107.587** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **29, 115.034, 306.033**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **64, 70.670, 110.158** is the 20% darker color. If you saturate the color by 10%, you get **84, 87.095, 107.770**, and if you desaturate by 10%, it is **84, 81.358, 107.593**.

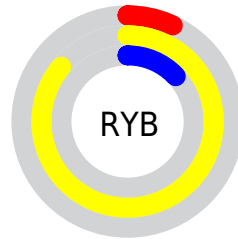
Distribution



Red (80%)

Green (86%)

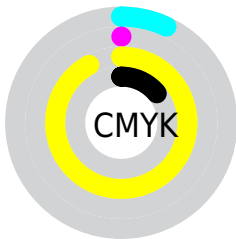
Blue (7%)



Red (7%)

Yellow (86%)

Blue (13%)

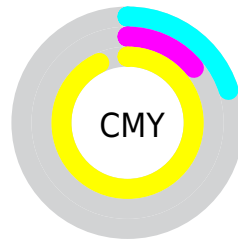


Cyan (7%)

Magenta (0%)

Yellow (92%)

Black (14%)



Cyan (20%)

Magenta (14%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 85.361, 107.587 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 84, 85.361, 107.587 by changing the saturation by 10% instead.


 84, 85.361,
107.587

 84, 85.361,
107.587


 100, 85.361,
107.587


 74, 85.361,
107.587


 64, 85.361,
107.587

 54, 85.361,
107.587

 44, 85.361,
107.587

 34, 85.361,
107.587

 24, 85.361,
107.587

 14, 85.361,

107.587

■ 4, 85.361, 107.587

■ 0, 85.361, 107.587

■ 84, 85.361,
107.587

■ 84, 85.361,
107.587

■ 84, 87.095,
107.770

■ 84, 81.358,
107.593

■ 84, 75.040,
107.871

■ 85, 66.866,
108.370

■ 85, 57.378,
109.025

■ 85, 47.029,

109.783

■ 86, 36.144,
110.601

■ 86, 24.938,
111.447

■ 87, 13.551,
112.299

■ 88, 2.075, 113.126

Harmonies

Complementary

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



84, 85.361, 107.587



29, 115.034, 306.033

Rectangle

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



84, 85.361, 107.587



84, 85.361, 157.587



84, 85.361, 287.587



84, 85.361, 337.587

Sweetspot

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



84, 85.361, 107.589



98, 35.952, 110.902



47, 87.655, 39.142



52, 24.740, 110.537



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 85.361, 107.589



96, 97.374, 107.811



79, 96.821, 129.420



46, 6.497, 112.500



68, 72.909, 107.694



18, 26.560, 108.634

Inverse Universe

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



29, 115.034, 306.033



33, 133.421, 306.468



39, 106.822, 313.934



42, 6.642, 294.141



21, 99.792, 306.547



2, 29.703, 296.865

Previews

White Background



This preview shows how the CIELCh color 84, 85.361, 107.587 looks on a white background.

Color Contrast Check

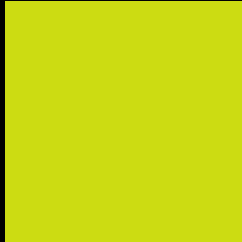
Large Text (above 18pt) WCAG AA × Fail

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 84, 85.361, 107.587 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 84, 85.361, 107.587

Background



This preview shows how black text looks on a background with the CIELCh color 84, 85.361, 107.587.



This preview shows how white text looks on a background with the CIELCh color 84, 85.361, 107.587.

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
84, 10.057, 323.098

Trichromacy



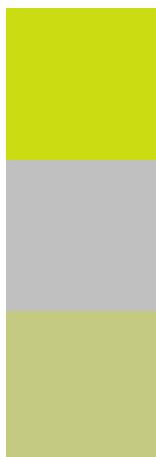
Original Color
84, 85.361, 107.587

Protanomaly
84, 83.748, 99.974

Deuteranomaly
83, 68.484, 93.585

Tritanomaly
83, 32.833, 104.475

Monochromacy



Original Color
84, 85.361, 107.587

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 38.175, 110.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 85.361, 107.587 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(204, 220, 18)` looks like.

```
.text, #text, p{  
    color:rgb(204, 220, 18)  
}
```

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(204, 220, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 220, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 85.361, 107.587 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(204, 220, 18) }
```

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

```
.border{ border-color:rgb(204, 220, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 220, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 220, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 220, 18);  
box-shadow:4px 4px 4px 4px rgb(204, 220,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 85.361, 107.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 220, 18) }
```

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

```
.background{ background-color: rgb(204,  
220, 18) }
```

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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