

Converting Colors

CIELCh(84, 87.338, 108.480)

Have a look what the booklet for
CIELCh(84, 87.338, 108.480)
contains.

CIELCh(84, 87.338, 108.480)	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, 87.338, 108.480)

Conversions

Conversions Part 1

Format	Color
Hex	C9DD02
RGB	201, 221, 2
RGB Percent	79%, 87%, 1%
CMY	0.2122, 0.1337, 0.9934
CMYK	0.09, 0.00, 0.99, 0.13
HSL	65°, 98%, 44%
HSV	65°, 99%, 87%
XYZ	49.8973, 64.0658, 9.7835
YIQ	190.0540, 58.3790, -72.3490

Conversions

Conversions Part 2

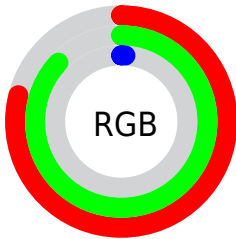
Format	Color
R _Y B	2, 221, 22
Decimal	13229314
CIE Lab	84.00, -27.68, 82.83
CIE LCh	84, 87.338, 108.480
Yxy	64.0658, 0.4032, 0.5177
Android (android.graphics.Color)	4291419394 (0xFFC9DD02)
YUV	190.0540, -92.7106, 9.5996
Hunter-Lab	80.0411, -28.7958, 48.7817

Details

The CIELCh color **84, 87.338, 108.480** 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 **28, 119.212, 306.492**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **64, 71.266, 111.515** is the 20% darker color. If you saturate the color by 10%, you get **84, 87.488, 108.504**, and if you desaturate by 10%, it is **84, 84.933, 108.237**.

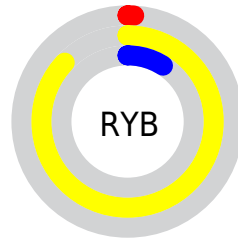
Distribution



Red (79%)

Green (87%)

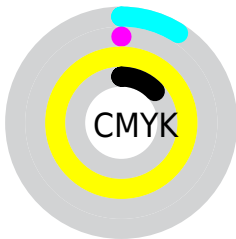
Blue (1%)



Red (1%)

Yellow (87%)

Blue (9%)

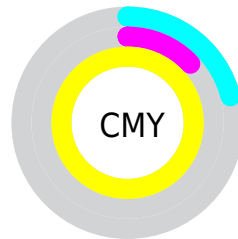


Cyan (9%)

Magenta (0%)

Yellow (99%)

Black (13%)



Cyan (21%)

Magenta (13%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 87.338, 108.480 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, 87.338, 108.480 by changing the saturation by 10% instead.

 84, 87.338,
108.480

 84, 87.338,
108.480

 100, 87.338,
108.480

 74, 87.338,
108.480

 64, 87.338,
108.480

 54, 87.338,
108.480

 44, 87.338,
108.480

 34, 87.338,
108.480

 24, 87.338,
108.480

 14, 87.338,

108.480

■ 4, 87.338, 108.480

■ 0, 87.338, 108.480

■ 84, 87.338,
108.480

■ 84, 87.338,
108.480

■ 84, 87.488,
108.504

■ 84, 84.933,
108.237

■ 84, 80.276,
108.273

■ 85, 73.393,
108.583

■ 85, 64.791,
109.103

■ 85, 55.002,

109.770

■ 86, 44.446,
110.529

■ 86, 33.416,
111.340

■ 87, 22.107,
112.172

■ 87, 10.644,
113.005

Harmonies

Complementary

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



84, 87.338, 108.480



28, 119.212, 306.492

Rectangle

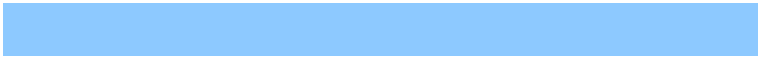
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 87.338, 108.480



84, 87.338, 158.480



84, 87.338, 288.480



84, 87.338, 338.480

Sweetspot

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



84, 87.338, 108.482



98, 38.492, 111.257



47, 92.199, 40.632



52, 26.170, 110.909



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, 87.338, 108.482



95, 97.515, 108.549



78, 100.367, 130.641



46, 6.501, 112.989



67, 73.010, 108.415



18, 26.586, 109.304

Inverse Universe

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



28, 119.212, 306.492



33, 133.332, 306.509



38, 109.804, 313.878



42, 6.645, 294.594



21, 99.714, 306.597



2, 29.721, 297.160

Previews

White Background



This preview shows how the CIELCh color 84, 87.338, 108.480 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, 87.338, 108.480 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, 87.338, 108.480

Background



This preview shows how black text looks on a background with the CIELCh color 84, 87.338, 108.480.



This preview shows how white text looks on a background with the CIELCh color 84, 87.338, 108.480.

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

84, 87.338, 108.480

Protanopia

84, 84.540, 95.093

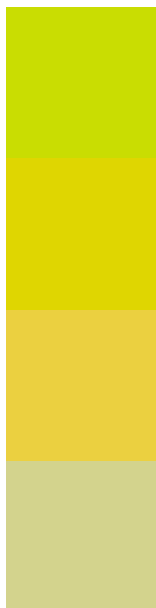
Deuteranopia

84, 57.179, 80.992



Tritanopia
84, 9.523, 317.581

Trichromacy



Original Color
84, 87.338, 108.480

Protanomaly
84, 84.897, 100.212

Deuteranomaly
84, 70.862, 94.442

Tritanomaly
83, 36.317, 106.979

Monochromacy



Original Color
84, 87.338, 108.480

Achromatopsia
77, 0.009, 296.813

Achromatomaly
79, 41.232, 110.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 87.338, 108.480 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(201, 221, 2)` looks like.

```
.text, #text, p{  
    color:rgb(201, 221, 2)  
}
```

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(201, 221, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 221, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 87.338, 108.480 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(201, 221, 2) }
```

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

```
.border{ border-color:rgb(201, 221, 2) }
```

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

Here you see how a box with a 4 pixel rgb(201, 221, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 221, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 221, 2);  
box-shadow:4px 4px 4px 4px rgb(201, 221,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 87.338, 108.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 221, 2) }
```

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

```
.background{ background-color: rgb(201,  
221, 2) }
```

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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