

Converting Colors

CIELCh(84, 64.460, 112.514)

Have a look what the booklet for
CIELCh(84, 64.460, 112.514)
contains.

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Color

CIELCh(84, 64.460, 112.514)

Conversions

Conversions Part 1

Format	Color
Hex	C7DC5B
RGB	199, 220, 91
RGB Percent	78%, 86%, 36%
CMY	0.2197, 0.1373, 0.6432
CMYK	0.10, 0.00, 0.59, 0.14
HSL	70°, 65%, 61%
HSV	70°, 59%, 86%
XYZ	51.0195, 64.0658, 19.5689
YIQ	199.0150, 28.8930, -44.5710

Conversions

Conversions Part 2

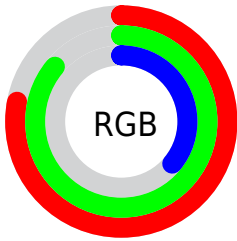
Format	Color
RYB	91, 220, 112
Decimal	13098075
CIELab	84.00, -24.68, 59.55
CIELCh	84, 64.460, 112.514
Yxy	64.0658, 0.3789, 0.4758
Android (android.graphics.Color)	4291288155 (0xFFC7DC5B)
YUV	199.0150, -53.2514, -0.0132
Hunter-Lab	80.0411, -26.2931, 41.5332

Details

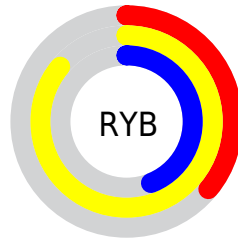
The CIELCh color **84, 64.460, 112.514** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **47, 75.649, 302.946**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.455, 106.010**, and **64, 64.577, 112.595** is the 20% darker color. If you saturate the color by 10%, you get **84, 73.232, 112.115**, and if you desaturate by 10%, it is **84, 54.554, 113.080**.

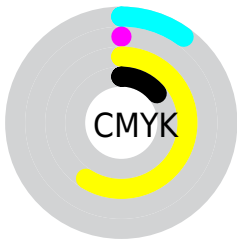
Distribution



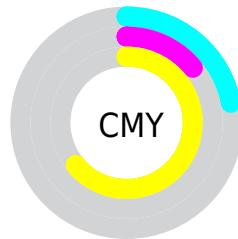
- Red (78%)
- Green (86%)
- Blue (36%)



- Red (36%)
- Yellow (86%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (59%)
- Black (14%)




- Cyan (22%)
- Magenta (14%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 64.460, 112.514 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, 64.460, 112.514 by changing the saturation by 10% instead.


 84, 64.460,
112.514

 84, 64.460,
112.514


 100, 64.460,
112.514


 74, 64.460,
112.514

 64, 64.460,
112.514

 54, 64.460,
112.514

 44, 64.460,
112.514

 34, 64.460,
112.514

 24, 64.460,
112.514


 14, 64.460,


112.514

 4, 64.460, 112.514


 0, 64.460, 112.514


 84, 64.460,
112.514


 84, 64.460,
112.514


 84, 73.232,
112.115


 84, 54.554,
113.080

 83, 80.347,
111.958

 85, 43.915,
113.743

 83, 85.294,
112.128

 86, 32.825,
114.459

 83, 87.969,
112.653

 86, 21.470,
115.197

 83, 88.263,

 87, 9.975, 115.933

112.734

■ 88, 1.581, 296.655

■ 89, 13.141,
297.348

■ 89, 18.492,
299.690

■ 90, 18.711,
303.395

Harmonies

Complementary

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



84, 64.460, 112.514



47, 75.649, 302.946

Rectangle

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



84, 64.460, 112.514



84, 64.460, 162.514



84, 64.460, 292.514



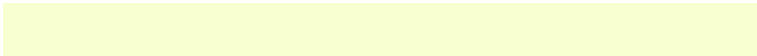
84, 64.460, 342.514

Sweetspot

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



84, 64.461, 112.516



98, 23.375, 115.233



59, 51.314, 36.619



52, 16.225, 115.016



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, 64.461, 112.516



95, 83.582, 112.063



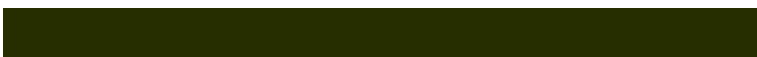
80, 72.365, 131.326



46, 6.536, 115.875



67, 73.864, 112.585



17, 26.817, 113.203

Inverse Universe

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



47, 75.649, 302.946



46, 102.670, 304.624



54, 76.215, 316.538



42, 6.675, 297.279



21, 99.090, 307.000



2, 29.846, 298.904

Previews

White Background



This preview shows how the CIELCh color 84, 64.460, 112.514 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 84, 64.460, 112.514 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, 64.460, 112.514

Background



This preview shows how black text looks on a background with the CIELCh color 84, 64.460, 112.514.



This preview shows how white text looks on a background with the CIELCh color 84, 64.460, 112.514.

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, 64.460, 112.514

Protanopia
84, 61.602, 95.169

Deuteranopia
84, 52.327, 79.282



Tritanopia
84, 9.353, 306.294

Trichromacy



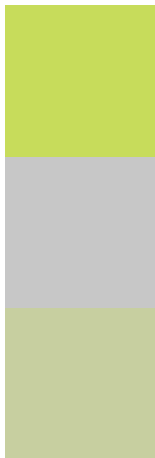
Original Color
84, 64.460, 112.514

Protanomaly
84, 61.924, 101.615

Deuteranomaly
84, 54.062, 92.741

Tritanomaly
83, 18.895, 112.027

Monochromacy



Original Color
84, 64.460, 112.514

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 24.868, 115.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 64.460, 112.514 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(199, 220, 91)` looks like.

```
.text, #text, p{  
    color:rgb(199, 220, 91)  
}
```

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(199, 220, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 220, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 64.460, 112.514 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(199, 220, 91) }
```

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

```
.border{ border-color:rgb(199, 220, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 220, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 220, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 220, 91);  
box-shadow:4px 4px 4px 4px rgb(199, 220,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 64.460, 112.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 220, 91) }
```

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

```
.background{ background-color: rgb(199,  
220, 91) }
```

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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