

Converting Colors

CIELCh(84, 77.102, 99.952)

Have a look what the booklet for
CIELCh(84, 77.102, 99.952) contains.

CIELCh(84, 77.175, 99.958)	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, 77.175, 99.958)

Conversions

Conversions Part 1

Format	Color
Hex	E1D630
RGB	225, 214, 48
RGB Percent	88%, 84%, 19%
CMY	0.1192, 0.1622, 0.8135
CMYK	0.00, 0.05, 0.79, 0.12
HSL	56°, 74%, 53%
HSV	56°, 79%, 88%
XYZ	55.4099, 64.0658, 12.1933
YIQ	198.3650, 59.8420, -49.2940

Conversions

Conversions Part 2

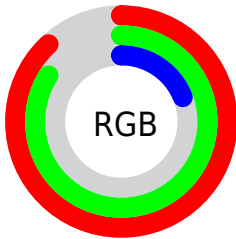
Format	Color
RYB	60, 225, 48
Decimal	14800432
CIELab	84.00, -13.35, 76.01
CIELCh	84, 77.175, 99.958
Yxy	64.0658, 0.4208, 0.4866
Android (android.graphics.Color)	4292990512 (0xFFE1D630)
YUV	198.3650, -74.1299, 23.3589
Hunter-Lab	80.0411, -16.5021, 46.9967

Details

The CIELCh color **84, 77.175, 99.958** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **36, 99.251, 302.043**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 70.406, 104.794**, and **64, 68.444, 100.543** is the 20% darker color. If you saturate the color by 10%, you get **84, 81.767, 99.304**, and if you desaturate by 10%, it is **84, 70.338, 100.740**.

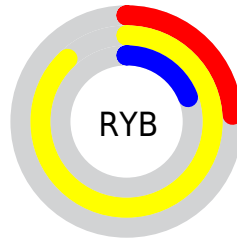
Distribution



Red (88%)

Green (84%)

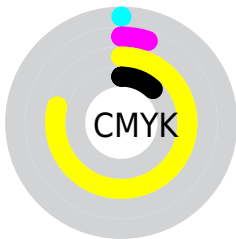
Blue (19%)



Red (24%)

Yellow (88%)

Blue (19%)

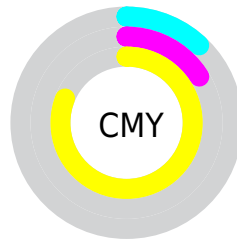


Cyan (0%)

Magenta (5%)

Yellow (79%)

Black (12%)



Cyan (12%)

Magenta (16%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 77.175, 99.958 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, 77.175, 99.958 by changing the saturation by 10% instead.

 84, 77.175, 99.958

 84, 77.175, 99.958

 100, 77.175,
99.958

 74, 77.175, 99.958

 64, 77.175, 99.958

 54, 77.175, 99.958

 44, 77.175, 99.958

 34, 77.175, 99.958

 24, 77.175, 99.958

 14, 77.175, 99.958

 4, 77.175, 99.958

 0, 77.175, 99.958

■ 84, 77.175, 99.958

■ 84, 77.175, 99.958

■ 84, 81.767, 99.304

■ 84, 70.338,
100.740

■ 83, 83.946, 98.764

■ 85, 61.851,
101.623

■ 83, 84.140, 98.704

■ 86, 52.277,
102.580

■ 86, 42.038,
103.586

■ 87, 31.414,
104.616

■ 88, 20.585,
105.652

■ 89, 9.659, 106.676

■ 90, 1.295, 287.770

■ 90, 12.234,
288.683

Harmonies

Complementary

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



84, 77.175, 99.958



36, 99.251, 302.043

Rectangle

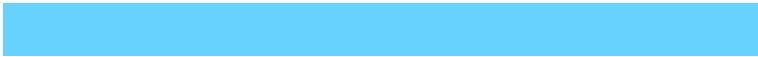
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 77.175, 99.958



84, 77.175, 149.958



84, 77.175, 279.958



84, 77.175, 329.958

Sweetspot

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



84, 77.175, 99.960



98, 29.044, 105.099



50, 76.363, 29.435



52, 19.925, 104.727



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, 77.175, 99.960



93, 91.831, 98.927



82, 87.144, 124.048



47, 6.209, 106.614



67, 70.157, 98.774



18, 26.337, 100.448

Inverse Universe

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



36, 99.251, 302.043



34, 128.071, 305.221



41, 100.800, 310.919



43, 6.331, 288.605



21, 98.452, 305.498



3, 30.273, 294.556

Previews

White Background



This preview shows how the CIELCh color 84, 77.175, 99.958 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, 77.175, 99.958 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, 77.175, 99.958

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.175, 99.958.



This preview shows how white text looks on a background with the CIELCh color 84, 77.175, 99.958.

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, 77.175, 99.958

Protanopia

84, 76.796, 95.333

Deuteranopia

84, 55.622, 80.993



Tritanopia
84, 16.586, 350.309

Trichromacy



Original Color
84, 77.175, 99.958

Protanomaly
84, 76.816, 96.983

Deuteranomaly
84, 63.979, 89.766

Tritanomaly
83, 28.852, 83.862

Monochromacy



Original Color
84, 77.175, 99.958

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 31.970, 104.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.175, 99.958 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(225, 214, 48)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 48)  
}
```

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(225, 214, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.175, 99.958 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(225, 214, 48) }
```

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

```
.border{ border-color:rgb(225, 214, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 48);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.175, 99.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 48) }
```

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

```
.background{ background-color: rgb(225,  
214, 48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor