

Converting Colors

CIELCh(78, 74.855, 103.514)

Have a look what the booklet for
CIELCh(78, 74.855, 103.514)
contains.

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Color

CIELCh(78, 74.768, 103.337)

Conversions

Conversions Part 1	
Format	Color
Hex	C7C725
RGB	199, 199, 37
RGB Percent	78%, 78%, 15%
CMY	0.2190, 0.2190, 0.8541
CMYK	0.00, 0.00, 0.81, 0.22
HSL	60°, 69%, 46%
HSV	60°, 81%, 78%
XYZ	44.3887, 53.2120, 9.6979
YIQ	180.5320, 52.0020, -50.3820

Conversions

Conversions Part 2

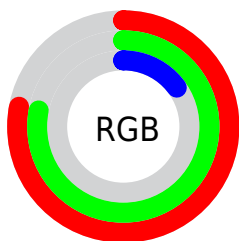
Format	Color
RYB	37, 199, 37
Decimal	13092645
CIELab	78.00, -17.25, 72.75
CIELCh	78, 74.768, 103.337
Yxy	53.2120, 0.4137, 0.4959
Android (android.graphics.Color)	4291282725 (0xFFC7C725)
YUV	180.5320, -70.7613, 16.1964
Hunter-Lab	72.9466, -19.0376, 43.1802

Details

The CIELCh color **78, 74.768, 103.337** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **29, 98.061, 304.069**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 74.447, 104.491**, and **58, 63.678, 104.527** is the 20% darker color. If you saturate the color by 10%, you get **78, 78.622, 103.006**, and if you desaturate by 10%, it is **78, 68.810, 103.862**.

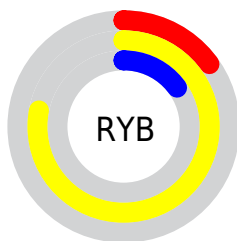
Distribution



Red (78%)

Green (78%)

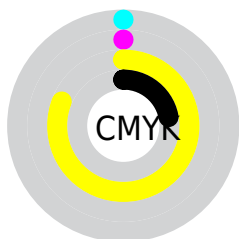
Blue (15%)



Red (15%)

Yellow (78%)

Blue (15%)

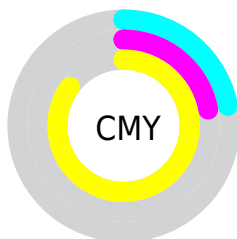


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 74.768, 103.337 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 78, 74.768, 103.337 by changing the saturation by 10% instead.


 78, 74.768,
103.337


 78, 74.768,
103.337


 100, 74.768,
103.337

 68, 74.768,
103.337


 98, 74.768,
103.337

 58, 74.768,
103.337

 48, 74.768,
103.337

 38, 74.768,
103.337

 28, 74.768,
103.337

 18, 74.768,
103.337

 8, 74.768, 103.337

0, 74.768, 103.337

78, 74.768,
103.337

78, 74.768,
103.337

78, 78.622,
103.006

78, 68.810,
103.862

78, 80.449,
102.850

78, 61.182,
104.545

78, 52.378,
105.347

79, 42.808,
106.231

79, 32.763,
107.165

79, 22.434,
108.124

■ 80, 11.949,
109.088

■ 80, 1.386, 110.006

■ 81, 9.201, 290.997

Harmonies

Complementary

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



78, 74.768, 103.337



29, 98.061, 304.069

Rectangle

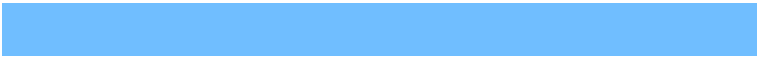
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 74.768, 103.337



78, 74.768, 153.337



78, 74.768, 283.337



78, 74.768, 333.337

Sweetspot

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



78, 74.768, 103.339



99, 30.822, 107.832



44, 73.482, 33.358



53, 21.130, 107.485



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 74.768, 103.339



97, 96.561, 102.874



73, 82.014, 125.961



42, 5.982, 109.274



65, 69.398, 102.850



13, 20.289, 105.975

Inverse Universe

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



29, 98.061, 304.069



33, 132.946, 306.166



36, 93.220, 312.146



38, 6.114, 291.143



19, 95.827, 306.287



1, 21.509, 291.745

Previews

White Background



This preview shows how the CIELCh color 78, 74.768, 103.337 looks on a white background.

Color Contrast Check

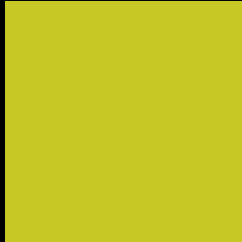
Large Text (above 18pt) WCAG AA × Fail

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 78, 74.768, 103.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

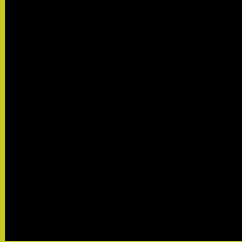
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 74.768, 103.337

Background



This preview shows how black text looks on a background with the CIELCh color 78, 74.768, 103.337.



This preview shows how white text looks on a background with the CIELCh color 78, 74.768, 103.337.

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

78, 74.768, 103.337

Protanopia

78, 73.852, 95.049

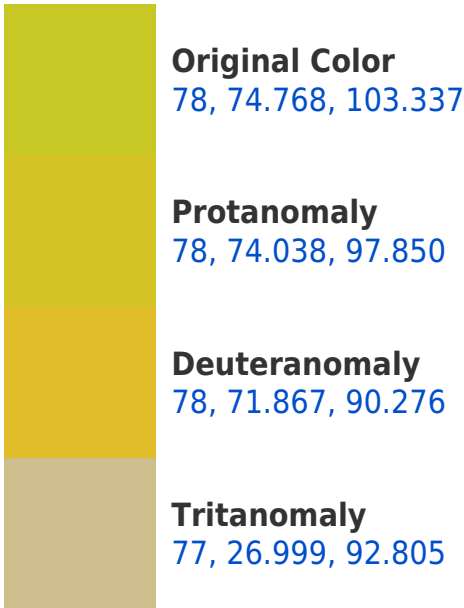
Deuteranopia

78, 72.053, 82.202



Tritanopia
78, 12.823, 341.765

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 74.768, 103.337 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, 199, 37)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 37)  
}
```

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, 199, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 37) }
```

Border

The CSS property to change the border of an element to CIElCh 78, 74.768, 103.337 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, 199, 37) }
```

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

```
.border{ border-color:rgb(199, 199, 37) }
```

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

Here you see how a box with a 4 pixel rgb(199, 199, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 37);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 74.768, 103.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 37) }
```

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

```
.background{ background-color: rgb(199,  
199, 37) }
```

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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