

Converting Colors

CIELCh(78, 73.942, 102.342)

Have a look what the booklet for
CIELCh(78, 73.942, 102.342)
contains.

CIELCh(78, 73.678, 102.045)	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(78, 73.678, 102.045)

Conversions

Conversions Part 1

Format	Color
Hex	CAC628
RGB	202, 198, 40
RGB Percent	79%, 78%, 16%
CMY	0.2071, 0.2228, 0.8422
CMYK	0.00, 0.02, 0.80, 0.21
HSL	59°, 67%, 48%
HSV	59°, 80%, 79%
XYZ	45.0345, 53.2120, 9.9263
YIQ	181.1840, 53.1020, -48.2900

Conversions

Conversions Part 2

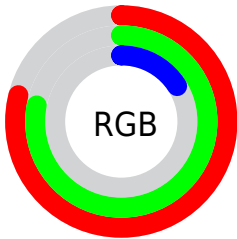
Format	Color
R _Y B	44, 202, 40
Decimal	13289000
CIE Lab	78.00, -15.38, 72.06
CIE LCh	78, 73.678, 102.045
Yxy	53.2120, 0.4163, 0.4919
Android (android.graphics.Color)	4291479080 (0xFFCAC628)
YUV	181.1840, -69.6037, 18.2556
Hunter-Lab	72.9466, -17.4573, 42.9946

Details

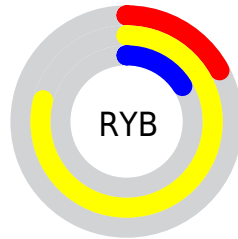
The CIELCh color **78, 73.678, 102.045** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **31, 95.894, 303.248**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 73.270, 104.241**, and **58, 63.641, 103.272** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.785, 101.582**, and if you desaturate by 10%, it is **78, 67.480, 102.677**.

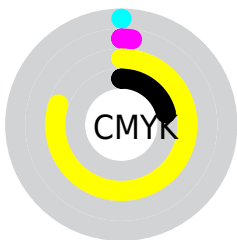
Distribution



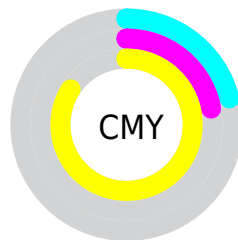
- Red (79%)
- Green (78%)
- Blue (16%)



- Red (17%)
- Yellow (79%)
- Blue (16%)



- Cyan (0%)
- Magenta (2%)
- Yellow (80%)
- Black (21%)





- Cyan (21%)
- Magenta (22%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 73.678, 102.045 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, 73.678, 102.045 by changing the saturation by 10% instead.


 78, 73.678,
102.045


 78, 73.678,
102.045


 100, 73.678,
102.045


 68, 73.678,
102.045


 98, 73.678,
102.045

 58, 73.678,
102.045

 48, 73.678,
102.045

 38, 73.678,
102.045

 28, 73.678,
102.045

 18, 73.678,
102.045

 8, 73.678, 102.045

■ 0, 73.678, 102.045

■ 78, 73.678,
102.045

■ 78, 73.678,
102.045

■ 78, 77.785,
101.582

■ 78, 67.480,
102.677

■ 78, 79.882,
101.266

■ 79, 59.679,
103.443

■ 79, 50.783,
104.309

■ 79, 41.188,
105.241

■ 80, 31.173,
106.213

■ 80, 20.915,
107.201

■ 81, 10.530,
108.187

■ 81, 0.090, 108.340

■ 82, 10.358,
290.128

Harmonies

Complementary

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



78, 73.678, 102.045



31, 95.894, 303.248

Rectangle

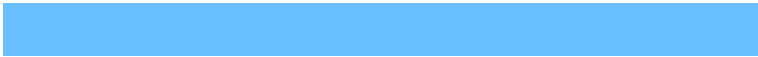
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 73.678, 102.045



78, 73.678, 152.045



78, 73.678, 282.045



78, 73.678, 332.045

Sweetspot

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



78, 73.678, 102.047



98, 30.104, 106.782



45, 72.592, 31.903



52, 20.643, 106.425



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, 73.678, 102.047



96, 94.472, 101.351



74, 81.813, 125.316



43, 5.960, 108.254



65, 68.932, 101.289



14, 21.327, 104.076

Inverse Universe

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



31, 95.894, 303.248



33, 131.022, 305.823



37, 93.485, 311.733



39, 6.086, 290.166



19, 95.737, 305.947



1, 23.124, 291.850

Previews

White Background



This preview shows how the CIELCh color 78, 73.678, 102.045 looks on a white background.

Color Contrast Check

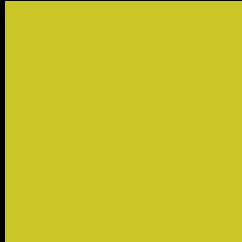
Large Text (above 18pt) WCAG AA × Fail

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, 73.678, 102.045 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, 73.678, 102.045

Background



This preview shows how black text looks on a background with the CIELCh color 78, 73.678, 102.045.



This preview shows how white text looks on a background with the CIELCh color 78, 73.678, 102.045.

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, 73.678, 102.045

Protanopia
78, 73.084, 95.037

Deuteranopia
78, 71.747, 82.144



Tritanopia
78, 13.417, 346.686

Trichromacy



Original Color
78, 73.678, 102.045

Protanomaly
78, 73.324, 97.520

Deuteranomaly
78, 71.528, 89.537

Tritanomaly
78, 27.361, 90.306

Monochromacy



Original Color
78, 73.678, 102.045

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 30.326, 105.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 73.678, 102.045 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(202, 198, 40)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 40)  
}
```

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(202, 198, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 73.678, 102.045 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(202, 198, 40) }
```

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

```
.border{ border-color:rgb(202, 198, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 198, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 198, 40);  
box-shadow:4px 4px 4px 4px rgb(202, 198,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 73.678, 102.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 40) }
```

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

```
.background{ background-color: rgb(202,  
198, 40) }
```

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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