

Converting Colors

CIELCh(76, 68.809, 101.081)

Have a look what the booklet for
CIELCh(76, 68.809, 101.081)
contains.

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Color

CIELCh(76, 68.960, 101.127)

Conversions

Conversions Part 1

Format	Color
Hex	C7C031
RGB	199, 192, 49
RGB Percent	78%, 75%, 19%
CMY	0.2209, 0.2482, 0.8091
CMYK	0.00, 0.04, 0.76, 0.22
HSL	57°, 61%, 48%
HSV	57°, 76%, 78%
XYZ	42.8009, 49.8872, 10.2419
YIQ	177.7910, 50.0750, -42.9890

Conversions

Conversions Part 2

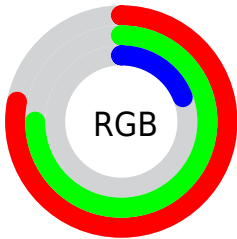
Format	Color
RYB	56, 199, 49
Decimal	13090865
CIELab	76.00, -13.31, 67.66
CIELCh	76, 68.960, 101.127
Yxy	49.8872, 0.4158, 0.4847
Android (android.graphics.Color)	4291280945 (0xFFC7C031)
YUV	177.7910, -63.4940, 18.6003
Hunter-Lab	70.6309, -15.4367, 40.8443

Details

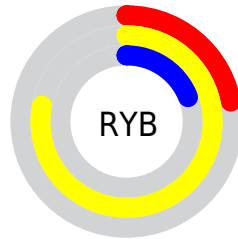
The CIELCh color **76, 68.960, 101.127** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **33, 87.349, 301.611**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 68.932, 102.399**, and **56, 61.712, 101.978** is the 20% darker color. If you saturate the color by 10%, you get **76, 73.990, 100.495**, and if you desaturate by 10%, it is **76, 62.097, 101.895**.

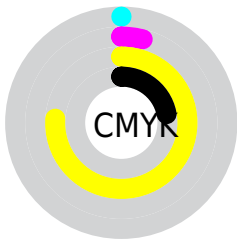
Distribution



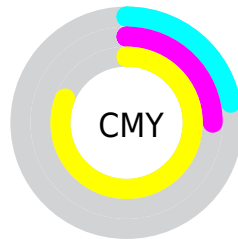
- Red (78%)
- Green (75%)
- Blue (19%)



- Red (22%)
- Yellow (78%)
- Blue (19%)



- Cyan (0%)
- Magenta (4%)
- Yellow (76%)
- Black (22%)





- Cyan (22%)
- Magenta (25%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 68.960, 101.127 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 76, 68.960, 101.127 by changing the saturation by 10% instead.


 76, 68.960,
101.127

 76, 68.960,
101.127


 100, 68.960,
101.127


 66, 68.960,
101.127


 96, 68.960,
101.127

 56, 68.960,
101.127

 46, 68.960,
101.127

 36, 68.960,
101.127

 26, 68.960,
101.127

 16, 68.960,
101.127

 6, 68.960, 101.127

■ 0, 68.960, 101.127

■ 76, 68.960,
101.127

■ 76, 68.960,
101.127

■ 76, 73.990,
100.495

■ 76, 62.097,
101.895

■ 75, 76.794,
100.004

■ 77, 53.931,
102.764

■ 75, 77.611, 99.812

■ 77, 44.920,
103.705

■ 78, 35.395,
104.691

■ 78, 25.573,
105.698

■ 79, 15.591,
106.708

■ 80, 5.536, 107.701

■ 80, 4.538, 288.714

■ 81, 14.595,
289.653

Harmonies

Complementary

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



76, 68.960, 101.127



33, 87.349, 301.611

Rectangle

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



76, 68.960, 101.127



76, 68.960, 151.127



76, 68.960, 281.127



76, 68.960, 331.127

Sweetspot

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



76, 68.960, 101.129



98, 28.264, 105.917



45, 66.902, 29.018



52, 19.533, 105.546



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 68.960, 101.129



94, 91.899, 100.144



73, 77.190, 124.562



42, 5.710, 107.320



63, 67.100, 99.857



13, 19.228, 103.452

Inverse Universe

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



33, 87.349, 301.611



35, 125.912, 304.922



38, 88.104, 311.252



38, 5.825, 289.259



19, 93.601, 305.639



1, 20.803, 290.557

Previews

White Background



This preview shows how the CIELCh color 76, 68.960, 101.127 looks on a white background.

Color Contrast Check

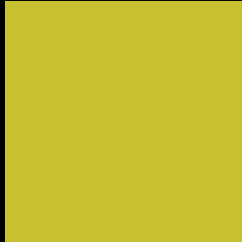
Large Text (above 18pt) WCAG AA × Fail

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 76, 68.960, 101.127 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 76, 68.960, 101.127

Background



This preview shows how black text looks on a background with the CIELCh color 76, 68.960, 101.127.



This preview shows how white text looks on a background with the CIELCh color 76, 68.960, 101.127.

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

76, 68.960, 101.127

Protanopia

76, 68.551, 95.495

Deuteranopia

76, 67.371, 81.728



Tritanopia
76, 13.807, 347.637

Trichromacy



Original Color
76, 68.960, 101.127

Protanomaly
76, 68.587, 97.376

Deuteranomaly
76, 66.853, 88.791

Tritanomaly
76, 24.788, 86.641

Monochromacy



Original Color
76, 68.960, 101.127

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 27.859, 104.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 68.960, 101.127 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, 192, 49)` looks like.

```
.text, #text, p{  
    color:rgb(199, 192, 49)  
}
```

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, 192, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 192, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 68.960, 101.127 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, 192, 49) }
```

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

```
.border{ border-color:rgb(199, 192, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 192, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 192, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 192, 49);  
box-shadow:4px 4px 4px 4px rgb(199, 192,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 68.960, 101.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 192, 49) }
```

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

```
.background{ background-color: rgb(199,  
192, 49) }
```

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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