

Converting Colors

CIELCh(76, 77.936, 101.054)

Have a look what the booklet for
CIELCh(76, 77.936, 101.054)
contains.

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Color

CIELCh(76, 77.804, 100.935)

Conversions

Conversions Part 1

Format	Color
Hex	C6C006
RGB	198, 192, 6
RGB Percent	78%, 75%, 2%
CMY	0.2223, 0.2459, 0.9769
CMYK	0.00, 0.03, 0.97, 0.22
HSL	58°, 94%, 40%
HSV	58°, 97%, 78%
XYZ	42.3166, 49.8872, 7.5675
YIQ	172.5900, 63.2820, -56.5740

Conversions

Conversions Part 2

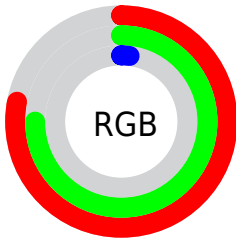
Format	Color
R _Y B	12, 198, 6
Decimal	13025286
CIE Lab	76.00, -14.76, 76.39
CIE LCh	76, 77.804, 100.935
Yxy	49.8872, 0.4241, 0.5000
Android (android.graphics.Color)	4291215366 (0xFFC6C006)
YUV	172.5900, -82.1289, 22.2846
Hunter-Lab	70.6309, -16.6605, 43.0892

Details

The CIELCh color **76, 77.804, 100.935** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **25, 107.965, 305.708**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.549, 101.984**, and **56, 61.709, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **76, 78.358, 100.837**, and if you desaturate by 10%, it is **76, 75.268, 101.325**.

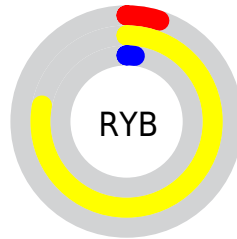
Distribution



Red (78%)

Green (75%)

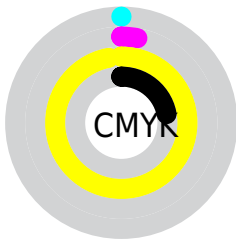
Blue (2%)



Red (5%)

Yellow (78%)

Blue (2%)

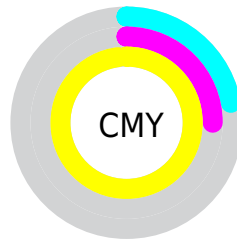


Cyan (0%)

Magenta (3%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 77.804, 100.935 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, 77.804, 100.935 by changing the saturation by 10% instead.


 76, 77.804,
100.935


 76, 77.804,
100.935


 100, 77.804,
100.935


 66, 77.804,
100.935


 96, 77.804,
100.935

 56, 77.804,
100.935

 46, 77.804,
100.935

 36, 77.804,
100.935

 26, 77.804,
100.935

 16, 77.804,
100.935

 6, 77.804, 100.935

■ 0, 77.804, 100.935

■ 76, 77.804,
100.935

■ 76, 77.804,
100.935

■ 76, 78.358,
100.837

■ 76, 75.268,
101.325

■ 76, 70.543,
101.872

■ 77, 63.902,
102.569

■ 77, 55.858,
103.386

■ 77, 46.885,
104.287

■ 78, 37.332,
105.244

■ 78, 27.437,
106.230

■ 79, 17.350,
107.225

■ 80, 7.169, 108.209

Harmonies

Complementary

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



76, 77.804, 100.935



25, 107.965, 305.708

Rectangle

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



76, 77.804, 100.935



76, 77.804, 150.935



76, 77.804, 280.935



76, 77.804, 330.935

Sweetspot

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



76, 77.803, 100.937



98, 36.055, 105.991



42, 83.599, 38.055



52, 24.669, 105.564



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, 77.803, 100.937



95, 94.656, 100.806



72, 88.397, 126.668



42, 5.798, 107.980



64, 67.830, 100.866



13, 19.572, 104.312

Inverse Universe

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



25, 107.965, 305.708



33, 132.594, 306.036



31, 102.726, 311.253



38, 5.919, 289.895



19, 94.316, 305.850



1, 21.033, 290.954

Previews

White Background



This preview shows how the CIELCh color 76, 77.804, 100.935 looks on a white background.

Color Contrast Check

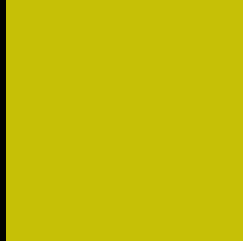
Large Text (above 18pt) WCAG AA × Fail

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, 77.804, 100.935 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, 77.804, 100.935

Background



This preview shows how black text looks on a background with the CIELCh color 76, 77.804, 100.935.

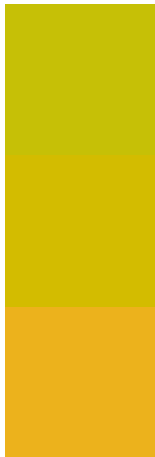


This preview shows how white text looks on a background with the CIELCh color 76, 77.804, 100.935.

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, 77.702, 100.942

Protanopia

76, 77.800, 95.240

Deuteranopia

76, 75.197, 82.855



Tritanopia
76, 14.124, 348.514

Trichromacy



Original Color
76, 77.702, 100.942

Protanomaly
76, 77.805, 97.603

Deuteranomaly
76, 75.379, 89.604

Tritanomaly
75, 32.844, 90.822

Monochromacy



Original Color
76, 77.702, 100.942

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 36.211, 105.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 77.804, 100.935 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(198, 192, 6)` looks like.

```
.text, #text, p{  
    color:rgb(198, 192, 6)  
}
```

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(198, 192, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 192, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 77.804, 100.935 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(198, 192, 6) }
```

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

```
.border{ border-color:rgb(198, 192, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 192, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 192, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 192, 6);  
box-shadow:4px 4px 4px 4px rgb(198, 192,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 77.804, 100.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 192, 6) }
```

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

```
.background{ background-color: rgb(198,  
192, 6) }
```

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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