

Converting Colors

CIELCh(77, 89.940, 103.431)

Have a look what the booklet for
CIELCh(77, 89.940, 103.431)
contains.

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Color

CIELCh(77, 80.149, 104.423)

Conversions

Conversions Part 1

Format	Color
Hex	C1C600
RGB	193, 198, 0
RGB Percent	76%, 78%, 0%
CMY	0.2445, 0.2248, 1.0000
CMYK	0.03, 0.00, 1.00, 0.22
HSL	62°, 100%, 39%
HSV	62°, 100%, 78%
XYZ	42.0201, 51.5317, 7.7043
YIQ	173.9330, 60.5780, -62.6380

Conversions

Conversions Part 2

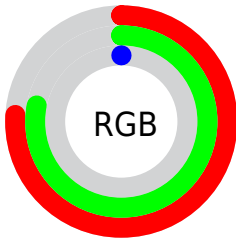
Format	Color
RYB	0, 198, 5
Decimal	12699136
CIELab	77.00, -19.96, 77.62
CIELCh	77, 80.149, 104.423
Yxy	51.5317, 0.4150, 0.5089
Android (android.graphics.Color)	4290889216 (0xFFC1C600)
YUV	173.9330, -85.7490, 16.7218
Hunter-Lab	71.7856, -21.1390, 43.8867

Details

The CIELCh color **77, 80.149, 104.423** 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 **24, 110.350, 306.356**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 80.054, 104.352**, and **57, 63.497, 106.626** is the 20% darker color. If you saturate the color by 10%, you get **77, 80.054, 104.435**, and if you desaturate by 10%, it is **77, 77.835, 104.505**.

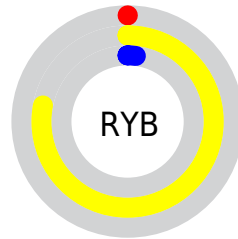
Distribution



Red (76%)

Green (78%)

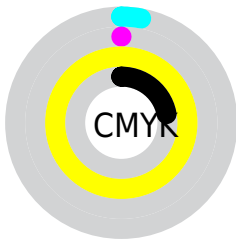
Blue (0%)



Red (0%)

Yellow (78%)

Blue (2%)

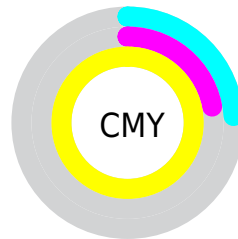


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (24%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 80.149, 104.423 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 77, 80.149, 104.423 by changing the saturation by 10% instead.


 77, 80.149,
104.423

 77, 80.149,
104.423


 100, 80.149,
104.423


 67, 80.149,
104.423

 97, 80.149,
104.423

 57, 80.149,
104.423

 47, 80.149,
104.423

 37, 80.149,
104.423

 27, 80.149,
104.423

 17, 80.149,
104.423

 7, 80.149, 104.423

■ 0, 80.149, 104.423

■ 77, 80.149,
104.423

■ 77, 80.149,
104.423

■ 77, 80.054,
104.435

■ 77, 77.835,
104.505

■ 77, 73.691,
104.770

■ 77, 67.506,
105.247

■ 78, 59.734,
105.893

■ 78, 50.858,
106.663

■ 78, 41.268,
107.514

■ 78, 31.234,
108.414

■ 79, 20.939,
109.336

■ 79, 10.500,
110.260

Harmonies

Complementary

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



77, 80.149, 104.423



24, 110.350, 306.356

Rectangle

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



77, 80.149, 104.423



77, 80.149, 154.423



77, 80.149, 284.423



77, 80.149, 334.423

Sweetspot

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



77, 80.054, 104.435



98, 38.393, 108.373



41, 86.108, 40.161



52, 26.103, 107.984



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 80.054, 104.435



97, 96.969, 104.459



71, 90.614, 128.660



42, 5.984, 110.316



65, 69.439, 104.413



13, 20.299, 107.506

Inverse Universe

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



24, 110.350, 306.356



32, 133.705, 306.337



32, 102.700, 312.231



38, 6.117, 292.104



19, 95.691, 306.374



1, 21.520, 292.418

Previews

White Background



This preview shows how the CIELCh color 77, 80.149, 104.423 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 77, 80.149, 104.423 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 77, 80.149, 104.423

Background



This preview shows how black text looks on a background with the CIELCh color 77, 80.149, 104.423.



This preview shows how white text looks on a background with the CIELCh color 77, 80.149, 104.423.

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

77, 80.149, 104.423

Protanopia

77, 78.468, 94.989

Deuteranopia

77, 75.522, 82.329



Tritanopia
77, 11.092, 337.724

Trichromacy



Original Color
77, 80.149, 104.423

Protanomaly
77, 78.801, 98.644

Deuteranomaly
77, 76.079, 90.458

Tritanomaly
76, 33.759, 98.491

Monochromacy



Original Color
77, 80.149, 104.423

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 38.158, 107.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 80.149, 104.423 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(193, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 198, 0)  
}
```

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(193, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 198, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 80.149, 104.423 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(193, 198, 0) }
```

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

```
.border{ border-color:rgb(193, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 198,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 80.149, 104.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 198, 0) }
```

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

```
.background{ background-color: rgb(193,  
198, 0) }
```

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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