

Converting Colors

CIELCh(77, 77.184, 100.284)

Have a look what the booklet for
CIELCh(77, 77.184, 100.284)
contains.

CIELCh(77, 77.290, 100.399)	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(77, 77.290, 100.399)

Conversions

Conversions Part 1

Format	Color
Hex	CBC311
RGB	203, 195, 17
RGB Percent	80%, 76%, 7%
CMY	0.2056, 0.2368, 0.9328
CMYK	0.00, 0.04, 0.92, 0.21
HSL	57°, 84%, 43%
HSV	57°, 92%, 79%
XYZ	44.0415, 51.5317, 8.1607
YIQ	177.1000, 61.9060, -53.6620

Conversions

Conversions Part 2

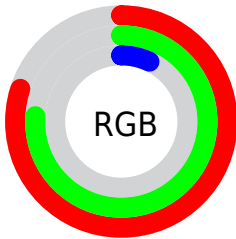
Format	Color
RYB	25, 203, 17
Decimal	13353745
CIELab	77.00, -13.95, 76.02
CIELCh	77, 77.290, 100.399
Yxy	51.5317, 0.4246, 0.4968
Android (android.graphics.Color)	4291543825 (0xFFCBC311)
YUV	177.1000, -78.9293, 22.7143
Hunter-Lab	71.7856, -16.1126, 43.5097

Details

The CIELCh color **77, 77.290, 100.399** 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 **27, 105.582, 304.885**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.156, 102.988**, and **57, 62.678, 101.994** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.942, 100.050**, and if you desaturate by 10%, it is **77, 73.541, 100.930**.

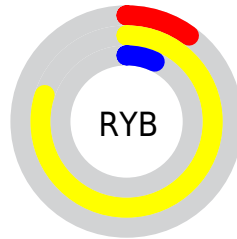
Distribution



Red (80%)

Green (76%)

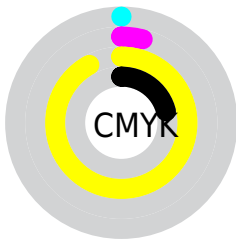
Blue (7%)



Red (10%)

Yellow (80%)

Blue (7%)

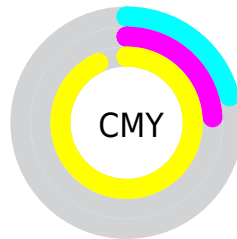


Cyan (0%)

Magenta (4%)

Yellow (92%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 77.290, 100.399 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, 77.290, 100.399 by changing the saturation by 10% instead.

 77, 77.290,
100.399

 77, 77.290,
100.399

 100, 77.290,
100.399

 67, 77.290,
100.399

 97, 77.290,
100.399

 57, 77.290,
100.399

 47, 77.290,
100.399

 37, 77.290,
100.399

 27, 77.290,
100.399

 17, 77.290,
100.399

 7, 77.290, 100.399

■ 0, 77.290, 100.399

■ 77, 77.290,
100.399

■ 77, 77.290,
100.399

■ 77, 78.942,
100.050

■ 77, 73.541,
100.930

■ 78, 67.643,
101.605

■ 78, 60.085,
102.406

■ 78, 51.391,
103.300

■ 79, 41.978,
104.256

■ 79, 32.135,
105.249

■ 80, 22.048,
106.257

■ 81, 11.836,
107.261

■ 81, 1.572, 108.208

Harmonies

Complementary

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



77, 77.290, 100.399



27, 105.582, 304.885

Rectangle

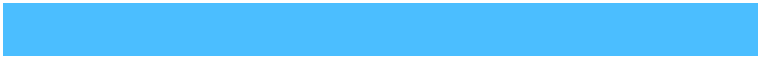
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 77.290, 100.399



77, 77.290, 150.399



77, 77.290, 280.399



77, 77.290, 330.399

Sweetspot

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



77, 77.289, 100.401



98, 33.236, 105.669



43, 80.931, 35.483



52, 22.354, 105.321



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, 77.289, 100.401



94, 93.851, 100.011



74, 87.473, 125.484



43, 5.852, 107.473



64, 68.039, 100.092



14, 20.901, 103.063

Inverse Universe

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



27, 105.582, 304.885



33, 132.143, 305.942



33, 102.140, 311.162



39, 5.971, 289.412



20, 94.882, 305.699



2, 22.824, 291.399

Previews

White Background



This preview shows how the CIELCh color 77, 77.290, 100.399 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, 77.290, 100.399 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, 77.290, 100.399

Background



This preview shows how black text looks on a background with the CIELCh color 77, 77.290, 100.399.

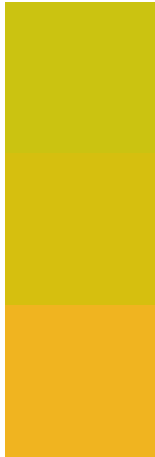


This preview shows how white text looks on a background with the CIELCh color 77, 77.290, 100.399.

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, 77.432, 100.391

Protanopia

77, 77.108, 95.346

Deuteranopia

77, 75.295, 82.289



Tritanopia
77, 14.739, 350.145

Trichromacy



Original Color
77, 77.432, 100.391

Protanomaly
77, 76.991, 97.029

Deuteranomaly
77, 74.971, 88.977

Tritanomaly
76, 31.544, 88.829

Monochromacy



Original Color
77, 77.432, 100.391

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 34.079, 104.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 77.290, 100.399 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(203, 195, 17)` looks like.

```
.text, #text, p{  
    color:rgb(203, 195, 17)  
}
```

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(203, 195, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 195, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 77.290, 100.399 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(203, 195, 17) }
```

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

```
.border{ border-color:rgb(203, 195, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 195, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 195, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 195, 17);  
box-shadow:4px 4px 4px 4px rgb(203, 195,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 77.290, 100.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 195, 17) }
```

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

```
.background{ background-color: rgb(203,  
195, 17) }
```

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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