

Converting Colors

CIELCh(77, 76.459, 98.974)

Have a look what the booklet for
CIELCh(77, 76.459, 98.974) contains.

CIELCh(77, 76.623, 99.085)	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, 76.623, 99.085)

Conversions

Conversions Part 1

Format	Color
Hex	CEC214
RGB	206, 194, 20
RGB Percent	81%, 76%, 8%
CMY	0.1938, 0.2407, 0.9205
CMYK	0.00, 0.06, 0.90, 0.19
HSL	56°, 82%, 44%
HSV	56°, 90%, 81%
XYZ	44.6770, 51.5317, 8.2653
YIQ	177.7520, 63.0060, -51.5700

Conversions

Conversions Part 2

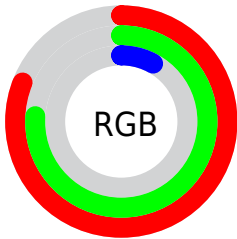
Format	Color
R _Y B	33, 206, 20
Decimal	13550100
CIE Lab	77.00, -12.10, 75.66
CIE LCh	77, 76.623, 99.085
Yxy	51.5317, 0.4276, 0.4932
Android (android.graphics.Color)	4291740180 (0xFFCEC214)
YUV	177.7520, -77.7717, 24.7735
Hunter-Lab	71.7856, -14.5322, 43.4233

Details

The CIELCh color **77, 76.623, 99.085** 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 **28, 104.029, 304.231**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 76.419, 102.703**, and **57, 62.411, 100.259** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.606, 98.544**, and if you desaturate by 10%, it is **77, 72.550, 99.742**.

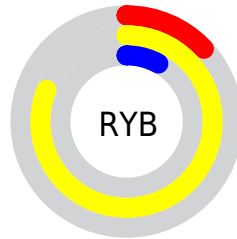
Distribution



Red (81%)

Green (76%)

Blue (8%)



Red (13%)

Yellow (81%)

Blue (8%)

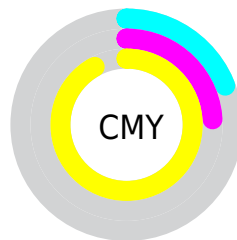


Cyan (0%)

Magenta (6%)

Yellow (90%)

Black (19%)



Cyan (19%)

Magenta (24%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 76.623, 99.085 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, 76.623, 99.085 by changing the saturation by 10% instead.

■ 77, 76.623, 99.085

■ 77, 76.623, 99.085

■ 100, 76.623,
99.085

■ 67, 76.623, 99.085

■ 97, 76.623, 99.085

■ 57, 76.623, 99.085

■ 47, 76.623, 99.085

■ 37, 76.623, 99.085

■ 27, 76.623, 99.085

■ 17, 76.623, 99.085

■ 7, 76.623, 99.085

■ 0, 76.623, 99.085

■ 77, 76.623, 99.085

■ 77, 76.623, 99.085

■ 77, 78.606, 98.544

■ 77, 72.550, 99.742

■ 78, 66.360,
100.516

■ 78, 58.592,
101.393

■ 79, 49.777,
102.345

■ 80, 40.316,
103.346

■ 80, 30.480,
104.372

■ 81, 20.440,
105.406

■ 82, 10.304,
106.429

■ 83, 0.138, 106.777

Harmonies

Complementary

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



77, 76.623, 99.085



28, 104.029, 304.231

Rectangle

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



77, 76.623, 99.085



77, 76.623, 149.085



77, 76.623, 279.085



77, 76.623, 329.085

Sweetspot

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



77, 76.622, 99.087



97, 32.556, 104.663



44, 80.087, 34.028



52, 21.902, 104.305



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, 76.622, 99.087



93, 92.410, 98.486



75, 87.449, 124.734



43, 5.725, 106.505



63, 67.020, 98.613



14, 20.401, 101.793

Inverse Universe

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



28, 104.029, 304.231



33, 131.140, 305.731



33, 102.808, 310.849



40, 5.836, 288.479



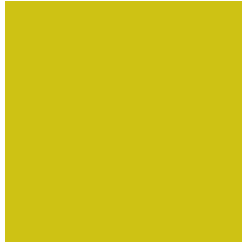
20, 93.885, 305.405



2, 22.470, 290.848

Previews

White Background



This preview shows how the CIELCh color 77, 76.623, 99.085 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, 76.623, 99.085 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, 76.623, 99.085

Background



This preview shows how black text looks on a background with the CIELCh color 77, 76.623, 99.085.

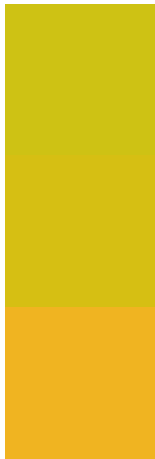


This preview shows how white text looks on a background with the CIELCh color 77, 76.623, 99.085.

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, 76.783, 99.079

Protanopia

77, 76.545, 95.343

Deuteranopia

77, 75.063, 82.249



Tritanopia
77, 15.738, 352.383

Trichromacy



Original Color
77, 76.783, 99.079

Protanomaly
77, 76.615, 96.704

Deuteranomaly
77, 74.894, 88.629

Tritanomaly
76, 31.203, 85.433

Monochromacy



Original Color
77, 76.783, 99.079

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 33.582, 104.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 76.623, 99.085 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(206, 194, 20)` looks like.

```
.text, #text, p{  
    color:rgb(206, 194, 20)  
}
```

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(206, 194, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 194, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 76.623, 99.085 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(206, 194, 20) }
```

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

```
.border{ border-color:rgb(206, 194, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 194, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 194, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 194, 20);  
box-shadow:4px 4px 4px 4px rgb(206, 194,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 76.623, 99.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 194, 20) }
```

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

```
.background{ background-color: rgb(206,  
194, 20) }
```

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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