

Converting Colors

CIELCh(81, 77.207, 101.731)

Have a look what the booklet for
CIELCh(81, 77.207, 101.731)
contains.

CIELCh(81, 77.251, 102.026)	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(81, 77.251, 102.026)

Conversions

Conversions Part 1

Format	Color
Hex	D3CF26
RGB	211, 207, 38
RGB Percent	83%, 81%, 15%
CMY	0.1735, 0.1891, 0.8522
CMYK	0.00, 0.02, 0.82, 0.17
HSL	59°, 70%, 49%
HSV	59°, 82%, 83%
XYZ	49.4005, 58.4711, 10.4900
YIQ	188.9300, 56.6330, -51.7110

Conversions

Conversions Part 2

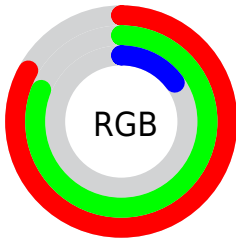
Format	Color
R _Y B	42, 211, 38
Decimal	13881126
CIE Lab	81.00, -16.10, 75.56
CIE LCh	81, 77.251, 102.026
Yxy	58.4711, 0.4174, 0.4940
Android (android.graphics.Color)	4292071206 (0xFFD3CF26)
YUV	188.9300, -74.4085, 19.3554
Hunter-Lab	76.4664, -18.4976, 45.3928

Details

The CIELCh color **81, 77.251, 102.026** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **31, 101.579, 303.733**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 73.656, 104.550**, and **61, 66.190, 103.252** is the 20% darker color. If you saturate the color by 10%, you get **81, 80.971, 101.609**, and if you desaturate by 10%, it is **81, 71.279, 102.618**.

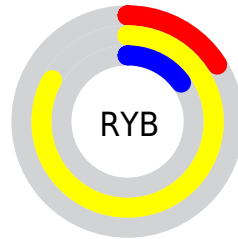
Distribution



Red (83%)

Green (81%)

Blue (15%)



Red (16%)

Yellow (83%)

Blue (15%)

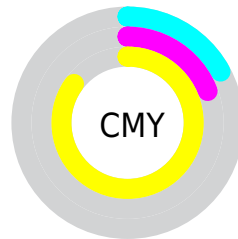


Cyan (0%)

Magenta (2%)

Yellow (82%)

Black (17%)



Cyan (17%)


Magenta (19%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 77.251, 102.026 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 81, 77.251, 102.026 by changing the saturation by 10% instead.


 81, 77.251,
102.026

 81, 77.251,
102.026


 100, 77.251,
102.026

 71, 77.251,
102.026


 61, 77.251,
102.026

 51, 77.251,
102.026

 41, 77.251,
102.026

 31, 77.251,
102.026

 21, 77.251,
102.026

 11, 77.251,

102.026

■ 1, 77.251, 102.026

■ 0, 77.251, 102.026

■ 81, 77.251,
102.026

■ 81, 77.251,
102.026

■ 81, 80.971,
101.609

■ 81, 71.279,
102.618

■ 81, 82.507,
101.378

■ 82, 63.523,
103.354

■ 82, 54.519,
104.199

■ 82, 44.710,
105.120

■ 83, 34.411,

106.085

■ 83, 23.826,
107.072

■ 84, 13.087,
108.061

■ 84, 2.278, 109.014

■ 85, 8.550, 290.015

Harmonies

Complementary

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



81, 77.251, 102.026



31, 101.579, 303.733

Rectangle

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



81, 77.251, 102.026



81, 77.251, 152.026



81, 77.251, 282.026



81, 77.251, 332.026

Sweetspot

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



81, 77.251, 102.028



98, 31.397, 106.759



46, 76.864, 32.778



52, 21.379, 106.408



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 77.251, 102.028



96, 95.079, 101.387



77, 85.829, 125.417



44, 6.093, 108.326



66, 69.802, 101.402



15, 22.929, 103.685

Inverse Universe

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



31, 101.579, 303.733



33, 132.496, 306.044



38, 98.386, 311.734



40, 6.222, 290.241



20, 96.928, 305.977



2, 25.144, 292.688

Previews

White Background



This preview shows how the CIELCh color 81, 77.251, 102.026 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 81, 77.251, 102.026 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 81, 77.251, 102.026

Background



This preview shows how black text looks on a background with the CIELCh color 81, 77.251, 102.026.



This preview shows how white text looks on a background with the CIELCh color 81, 77.251, 102.026.

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
81, 77.251, 102.026

Protanopia
81, 76.597, 95.032

Deuteranopia
81, 75.227, 82.151



Tritanopia
81, 14.516, 344.848

Trichromacy



Original Color
81, 77.251, 102.026

Protanomaly
81, 76.537, 97.719

Deuteranomaly
81, 74.781, 89.469

Tritanomaly
80, 28.444, 89.350

Monochromacy



Original Color
81, 77.251, 102.026

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 32.180, 105.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 77.251, 102.026 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(211, 207, 38)` looks like.

```
.text, #text, p{  
    color:rgb(211, 207, 38)  
}
```

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(211, 207, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 207, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 77.251, 102.026 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(211, 207, 38) }
```

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

```
.border{ border-color:rgb(211, 207, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 207, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 207, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 207, 38);  
box-shadow:4px 4px 4px 4px rgb(211, 207,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 77.251, 102.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 207, 38) }
```

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

```
.background{ background-color: rgb(211,  
207, 38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor