

Converting Colors

CIELCh(77, 72.365, 103.505)

Have a look what the booklet for
CIELCh(77, 72.365, 103.505)
contains.

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Color

CIELCh(77, 72.130, 103.496)

Conversions

Conversions Part 1

Format	Color
Hex	C4C42B
RGB	196, 196, 43
RGB Percent	77%, 77%, 17%
CMY	0.2304, 0.2304, 0.8302
CMYK	0.00, 0.00, 0.78, 0.23
HSL	60°, 64%, 47%
HSV	60°, 78%, 77%
XYZ	43.0645, 51.5317, 9.9905
YIQ	178.5580, 49.1130, -47.5830

Conversions

Conversions Part 2

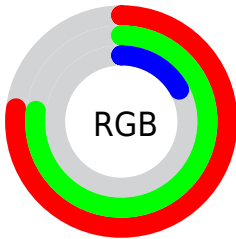
Format	Color
R_{YB}	43, 196, 43
Decimal	12895275
CIE _{Lab}	77.00, -16.83, 70.14
CIE _{LCh}	77, 72.130, 103.496
Yxy	51.5317, 0.4118, 0.4927
Android (android.graphics.Color)	4291085355 (0xFFC4C42B)
YUV	178.5580, -66.8301, 15.2966
Hunter-Lab	71.7856, -18.5420, 41.9985

Details

The CIELCh color **77, 72.130, 103.496** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **30, 93.259, 303.417**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 72.100, 103.637**, and **57, 63.058, 104.971** is the 20% darker color. If you saturate the color by 10%, you get **77, 76.692, 103.098**, and if you desaturate by 10%, it is **77, 65.617, 104.080**.

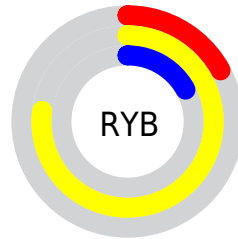
Distribution



Red (77%)

Green (77%)

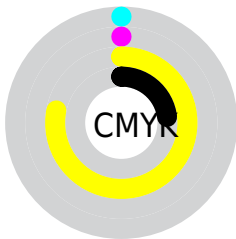
Blue (17%)



Red (17%)

Yellow (77%)

Blue (17%)

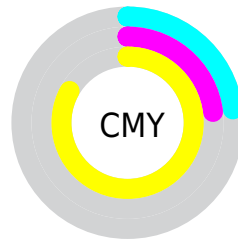


Cyan (0%)

Magenta (0%)

Yellow (78%)

Black (23%)



Cyan (23%)

Magenta (23%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 72.130, 103.496 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, 72.130, 103.496 by changing the saturation by 10% instead.

 77, 72.130,
103.496

 77, 72.130,
103.496

 100, 72.130,
103.496

 67, 72.130,
103.496

 97, 72.130,
103.496

 57, 72.130,
103.496

 47, 72.130,
103.496

 37, 72.130,
103.496

 27, 72.130,
103.496

 17, 72.130,
103.496

 7, 72.130, 103.496

0, 72.130, 103.496

77, 72.130,
103.496

77, 72.130,
103.496

77, 76.692,
103.098

77, 65.617,
104.080

77, 79.162,
102.883

77, 57.627,
104.808

77, 79.569,
102.848

77, 48.629,
105.641

78, 38.985,
106.545

78, 28.946,
107.489

78, 18.677,
108.451

■ 79, 8.283, 109.411

■ 79, 2.167, 290.400

■ 80, 12.628,
291.304

Harmonies

Complementary

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



77, 72.130, 103.496



30, 93.259, 303.417

Rectangle

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



77, 72.130, 103.496



77, 72.130, 153.496



77, 72.130, 283.496



77, 72.130, 333.496

Sweetspot

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



77, 72.130, 103.498



99, 29.552, 107.929



44, 69.660, 32.066



53, 20.413, 107.576



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, 72.130, 103.498



97, 95.818, 102.925



72, 78.884, 125.832



41, 5.855, 109.276



64, 68.596, 102.848



12, 18.616, 106.711

Inverse Universe

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



30, 93.259, 303.417



33, 131.117, 305.910



37, 89.243, 312.135



37, 5.984, 291.139



18, 94.720, 306.286



1, 19.478, 291.133

Previews

White Background



This preview shows how the CIELCh color 77, 72.130, 103.496 looks on a white background.

Color Contrast Check

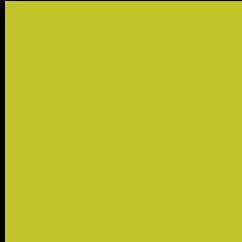
Large Text (above 18pt) WCAG AA × Fail

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, 72.130, 103.496 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, 72.130, 103.496

Background



This preview shows how black text looks on a background with the CIELCh color 77, 72.130, 103.496.



This preview shows how white text looks on a background with the CIELCh color 77, 72.130, 103.496.

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, 72.130, 103.496

Protanopia

77, 71.226, 94.894

Deuteranopia

77, 69.793, 81.595



Tritanopia
77, 12.234, 342.617

Trichromacy



Original Color
77, 72.130, 103.496

Protanomaly
77, 71.413, 97.802

Deuteranomaly
77, 69.317, 89.928

Tritanomaly
77, 25.917, 93.192

Monochromacy



Original Color
77, 72.130, 103.496

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 29.328, 107.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 72.130, 103.496 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(196, 196, 43)` looks like.

```
.text, #text, p{  
    color:rgb(196, 196, 43)  
}
```

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(196, 196, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 196, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 72.130, 103.496 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(196, 196, 43) }
```

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

```
.border{ border-color:rgb(196, 196, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 196, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 196, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 196, 43);  
box-shadow:4px 4px 4px 4px rgb(196, 196,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 72.130, 103.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 196, 43) }
```

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

```
.background{ background-color: rgb(196,  
196, 43) }
```

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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