

Converting Colors

CIELCh(77, 38.003, 112.850)

Have a look what the booklet for
CIELCh(77, 38.003, 112.850)
contains.

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Color

CIELCh(77, 38.003, 112.850)

Conversions

Conversions Part 1

Format	Color
Hex	BAC47C
RGB	186, 196, 124
RGB Percent	73%, 77%, 49%
CMY	0.2695, 0.2303, 0.5128
CMYK	0.05, 0.00, 0.37, 0.23
HSL	68°, 38%, 63%
HSV	68°, 37%, 77%
XYZ	43.7667, 51.5317, 26.7901
YIQ	184.8020, 17.1520, -24.5120

Conversions

Conversions Part 2

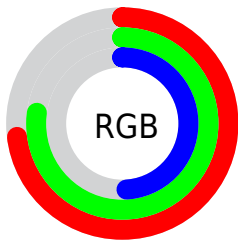
Format	Color
RYB	124, 196, 134
Decimal	12239996
CIELab	77.00, -14.76, 35.02
CIELCh	77, 38.003, 112.850
Yxy	51.5317, 0.3585, 0.4221
Android (android.graphics.Color)	4290430076 (0xFFBAC47C)
YUV	184.8020, -29.9754, 1.0506
Hunter-Lab	71.7856, -16.7958, 28.1232

Details

The CIELCh color **77, 38.003, 112.850** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56, 41.521, 299.231**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 38.408, 113.000**, and **57, 37.666, 112.516** is the 20% darker color. If you saturate the color by 10%, you get **77, 47.783, 112.148**, and if you desaturate by 10%, it is **78, 27.859, 113.601**.

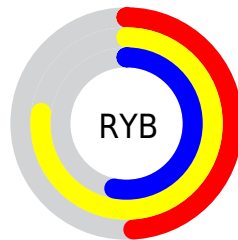
Distribution



Red (73%)

Green (77%)

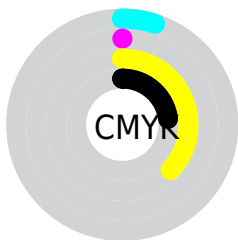
Blue (49%)



Red (49%)

Yellow (77%)

Blue (53%)

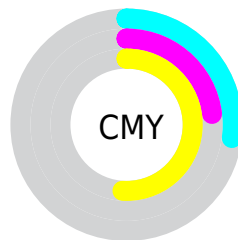


Cyan (5%)

Magenta (0%)

Yellow (37%)

Black (23%)



Cyan (27%)

Magenta (23%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 38.003, 112.850 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, 38.003, 112.850 by changing the saturation by 10% instead.


 77, 38.003,
112.850

 77, 38.003,
112.850


 100, 38.003,
112.850


 67, 38.003,
112.850


 97, 38.003,
112.850

 57, 38.003,
112.850

 47, 38.003,
112.850

 37, 38.003,
112.850

 27, 38.003,
112.850

 17, 38.003,
112.850

 7, 38.003, 112.850

■ 0, 38.003, 112.850

■ 77, 38.003,
112.850

■ 77, 38.003,
112.850

■ 77, 47.783,
112.148

■ 78, 27.859,
113.601

■ 76, 56.964,
111.526

■ 78, 17.500,
114.365

■ 76, 65.208,
111.043

■ 79, 7.029, 115.124

■ 75, 72.067,
110.770

■ 79, 3.488, 295.872

■ 75, 77.059,
110.784

■ 80, 14.003,
296.585

■ 75, 79.924,
111.135

■ 81, 24.485,
297.267

■ 82, 31.422,

■ 75, 80.642,
111.284

298.247

■ 82, 31.523,
299.867

■ 82, 31.646,
301.486

Harmonies

Complementary

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



77, 38.003, 112.850



56, 41.521, 299.231

Rectangle

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



77, 38.003, 112.850



77, 38.003, 162.850



77, 38.003, 292.850



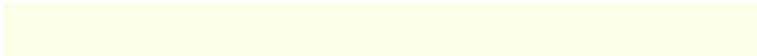
77, 38.003, 342.850

Sweetspot

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



77, 38.005, 112.853



99, 14.280, 114.786



62, 27.182, 33.206



53, 9.593, 114.682



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, 38.005, 112.853



97, 55.847, 112.284



75, 42.167, 131.872



41, 5.891, 114.924



62, 69.492, 111.166



12, 18.880, 115.076

Inverse Universe

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



56, 41.521, 299.231



65, 62.529, 300.283



59, 43.680, 315.178



38, 6.017, 296.370



19, 93.840, 306.874



1, 19.551, 294.886

Previews

White Background



This preview shows how the CIELCh color 77, 38.003, 112.850 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 CIE LCh color 77, 38.003, 112.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

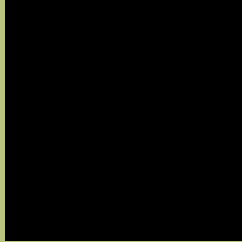
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 38.003, 112.850

Background



This preview shows how black text looks on a background with the CIELCh color 77, 38.003, 112.850.



This preview shows how white text looks on a background with the CIELCh color 77, 38.003, 112.850.

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, 38.003, 112.850

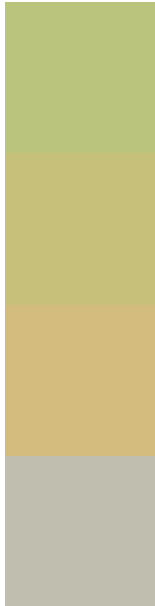
Protanopia
77, 36.656, 95.554

Deuteranopia
77, 35.348, 74.830



Tritanopia
77, 8.739, 312.774

Trichromacy



Original Color
77, 38.003, 112.850

Protanomaly
77, 36.477, 102.163

Deuteranomaly
77, 34.151, 89.210

Tritanomaly
77, 8.586, 104.270

Monochromacy



Original Color
77, 38.003, 112.850

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 14.014, 115.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.003, 112.850 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(186, 196, 124)` looks like.

```
.text, #text, p{  
    color:rgb(186, 196, 124)  
}
```

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(186, 196, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 196, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.003, 112.850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

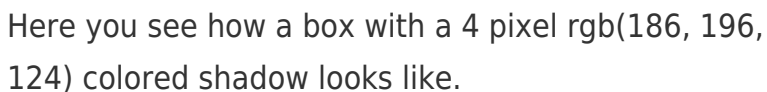
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 196, 124) }
```

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

```
.border{ border-color:rgb(186, 196, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 196, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 196, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 196, 124); box-shadow:4px 4px 4px 4px rgb(186, 196, 124) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.003, 112.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 196, 124) }
```

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

```
.background{ background-color: rgb(186,  
196, 124) }
```

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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