

Converting Colors

CIELCh(77, 31.276, 111.716)

Have a look what the booklet for
CIELCh(77, 31.276, 111.716)
contains.

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Color

CIELCh(77, 31.249, 111.727)

Conversions

Conversions Part 1

Format	Color
Hex	BDC388
RGB	189, 195, 136
RGB Percent	74%, 76%, 53%
CMY	0.2594, 0.2359, 0.4672
CMYK	0.03, 0.00, 0.30, 0.24
HSL	66°, 33%, 65%
HSV	66°, 30%, 76%
XYZ	44.8603, 51.5317, 30.8192
YIQ	186.4800, 15.3630, -19.6210

Conversions

Conversions Part 2

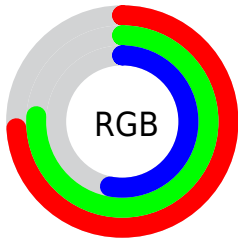
Format	Color
RYB	136, 195, 142
Decimal	12436360
CIELab	77.00, -11.57, 29.03
CIELCh	77, 31.249, 111.727
Yxy	51.5317, 0.3526, 0.4051
Android (android.graphics.Color)	4290626440 (0xFFBDC388)
YUV	186.4800, -24.8866, 2.2100
Hunter-Lab	71.7856, -14.0765, 24.7954

Details

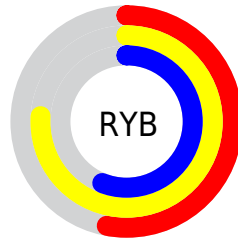
The CIELCh color **77, 31.249, 111.727** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **59, 33.577, 297.226**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 31.386, 111.943**, and **57, 31.265, 111.301** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.193, 110.943**, and if you desaturate by 10%, it is **78, 21.047, 112.541**.

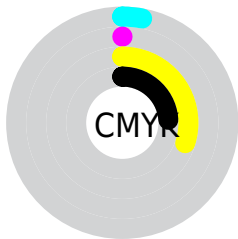
Distribution



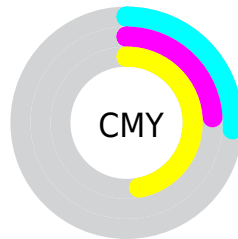
- Red (74%)
- Green (76%)
- Blue (53%)



- Red (53%)
- Yellow (76%)
- Blue (56%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)





- Cyan (26%)
- Magenta (24%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.249, 111.727 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, 31.249, 111.727 by changing the saturation by 10% instead.


 77, 31.249,
111.727


 77, 31.249,
111.727


 100, 31.249,
111.727


 67, 31.249,
111.727


 97, 31.249,
111.727

 57, 31.249,
111.727

 47, 31.249,
111.727

 37, 31.249,
111.727

 27, 31.249,
111.727

 17, 31.249,
111.727

 7, 31.249, 111.727

■ 0, 31.249, 111.727

■ 77, 31.249,
111.727

■ 77, 31.249,
111.727

■ 77, 41.193,
110.943

■ 78, 21.047,
112.541

■ 76, 50.697,
110.211

■ 78, 10.698,
113.353

■ 76, 59.494,
109.573

■ 79, 0.280, 114.067

■ 76, 67.205,
109.087

■ 79, 10.155,
294.936

■ 75, 73.356,
108.817

■ 80, 20.571,
295.681

■ 75, 77.500,
108.827

■ 81, 30.942,
296.392

■ 75, 79.737,
109.091

■ 81, 32.175,
297.485

■ 81, 32.236,
298.631

■ 82, 32.309,
299.779

Harmonies

Complementary

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



77, 31.249, 111.727



59, 33.577, 297.226

Rectangle

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



77, 31.249, 111.727



77, 31.249, 161.727



77, 31.249, 291.727



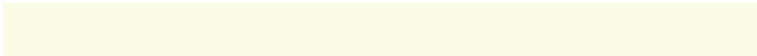
77, 31.249, 341.727

Sweetspot

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



77, 31.251, 111.730



98, 11.562, 113.445



64, 22.292, 29.855



53, 8.098, 113.325



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, 31.251, 111.730



97, 45.612, 111.231



75, 34.349, 131.110



41, 5.876, 113.427



63, 69.096, 109.005



12, 18.766, 112.896

Inverse Universe

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



59, 33.577, 297.226



70, 49.900, 298.047



62, 35.472, 313.813



37, 6.003, 294.977



19, 94.141, 306.669



1, 19.524, 293.887

Previews

White Background



This preview shows how the CIELCh color 77, 31.249, 111.727 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, 31.249, 111.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

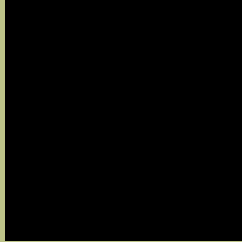
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 31.249, 111.727

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.249, 111.727.



This preview shows how white text looks on a background with the CIELCh color 77, 31.249, 111.727.

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, 31.249, 111.727

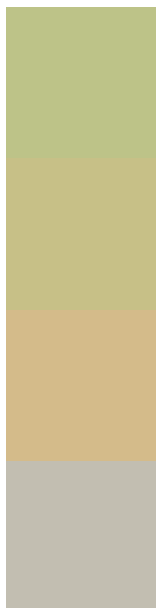
Protanopia
77, 30.379, 95.617

Deuteranopia
77, 29.424, 70.637



Tritanopia
77, 8.398, 316.452

Trichromacy



Original Color
77, 31.249, 111.727

Protanomaly
77, 30.320, 101.908

Deuteranomaly
77, 28.173, 86.229

Tritanomaly
77, 7.105, 97.164

Monochromacy



Original Color
77, 31.249, 111.727

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 11.276, 113.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.249, 111.727 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(189, 195, 136)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 136)  
}
```

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(189, 195, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.249, 111.727 is called "border". The border property can be set on classes, ids or directly on the HTML element.

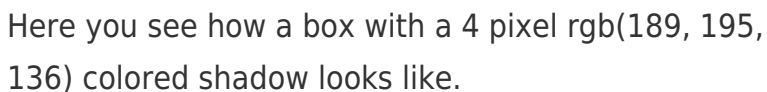
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 195, 136) }
```

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

```
.border{ border-color:rgb(189, 195, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 195, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 195, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 195, 136); box-shadow:4px 4px 4px 4px rgb(189, 195, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.249, 111.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 136) }
```

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

```
.background{ background-color: rgb(189,  
195, 136) }
```

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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