

Converting Colors

CIELCh(77, 38.858, 109.595)

Have a look what the booklet for
CIELCh(77, 38.858, 109.595)
contains.

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Color

CIELCh(77, 38.858, 109.595)

Conversions

Conversions Part 1

Format	Color
Hex	BEC379
RGB	190, 195, 121
RGB Percent	75%, 76%, 47%
CMY	0.2538, 0.2341, 0.5244
CMYK	0.03, 0.00, 0.38, 0.23
HSL	64°, 38%, 62%
HSV	64°, 38%, 77%
XYZ	44.3561, 51.5317, 25.7852
YIQ	185.0690, 20.7740, -24.0740

Conversions

Conversions Part 2

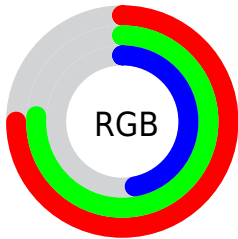
Format	Color
RYB	121, 195, 126
Decimal	12501881
CIELab	77.00, -13.03, 36.61
CIELCh	77, 38.858, 109.595
Yxy	51.5317, 0.3646, 0.4235
Android (android.graphics.Color)	4290691961 (0xFFBEC379)
YUV	185.0690, -31.5860, 4.3245
Hunter-Lab	71.7856, -15.3302, 28.9531

Details

The CIELCh color **77, 38.858, 109.595** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54, 42.739, 297.182**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 38.768, 109.480**, and **57, 38.530, 109.601** is the 20% darker color. If you saturate the color by 10%, you get **77, 48.482, 108.799**, and if you desaturate by 10%, it is **77, 28.844, 110.441**.

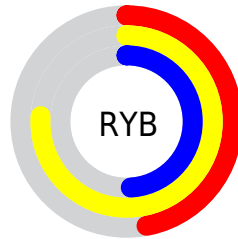
Distribution



Red (75%)

Green (76%)

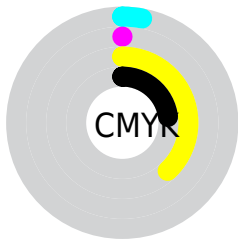
Blue (47%)



Red (47%)

Yellow (76%)

Blue (49%)

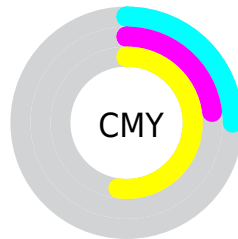


Cyan (3%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (25%)


Magenta (23%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 38.858, 109.595 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, 38.858, 109.595 by changing the saturation by 10% instead.


 77, 38.858,
109.595

 77, 38.858,
109.595


 100, 38.858,
109.595


 67, 38.858,
109.595


 97, 38.858,
109.595

 57, 38.858,
109.595

 47, 38.858,
109.595

 37, 38.858,
109.595

 27, 38.858,
109.595

 17, 38.858,
109.595

 7, 38.858, 109.595

■ 0, 38.858, 109.595

■ 77, 38.858,
109.595

■ 77, 38.858,
109.595

■ 77, 48.482,
108.799

■ 77, 28.844,
110.441

■ 76, 57.467,
108.079

■ 78, 18.599,
111.303

■ 76, 65.458,
107.486

■ 78, 8.228, 112.161

■ 76, 71.994,
107.076

■ 79, 2.199, 293.029

■ 76, 76.601,
106.905

■ 80, 12.636,
293.836

■ 76, 79.129,
106.993

■ 80, 23.050,
294.624

■ 81, 31.844,

■ 76, 79.557,
107.024

295.381

■ 81, 31.869,
296.147

■ 81, 31.900,
296.915

Harmonies

Complementary

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



77, 38.858, 109.595



54, 42.739, 297.182

Rectangle

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



77, 38.858, 109.595



77, 38.858, 159.595



77, 38.858, 289.595



77, 38.858, 339.595

Sweetspot

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



77, 38.859, 109.598



99, 14.217, 111.882



60, 29.619, 27.811



53, 9.550, 111.764



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, 38.859, 109.598



97, 56.745, 108.968



74, 42.531, 129.620



41, 5.865, 112.037



63, 68.829, 106.965



12, 18.689, 110.844

Inverse Universe

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



54, 42.739, 297.182



64, 64.023, 298.414



58, 44.496, 313.096



37, 5.994, 293.688



19, 94.359, 306.524



1, 19.504, 292.963

Previews

White Background



This preview shows how the CIELCh color 77, 38.858, 109.595 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, 38.858, 109.595 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, 38.858, 109.595

Background



This preview shows how black text looks on a background with the CIELCh color 77, 38.858, 109.595.



This preview shows how white text looks on a background with the CIELCh color 77, 38.858, 109.595.

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, 38.858, 109.595

Protanopia
77, 38.164, 95.815

Deuteranopia
77, 36.969, 75.351



Tritanopia
77, 9.141, 324.795

Trichromacy



Original Color
77, 38.858, 109.595

Protanomaly
77, 38.078, 100.926

Deuteranomaly
77, 35.927, 88.478

Tritanomaly
77, 9.990, 93.604

Monochromacy



Original Color
77, 38.858, 109.595

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 14.472, 111.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.858, 109.595 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(190, 195, 121)` looks like.

```
.text, #text, p{  
    color:rgb(190, 195, 121)  
}
```

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(190, 195, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 195, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.858, 109.595 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(190, 195, 121) }
```

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

```
.border{ border-color:rgb(190, 195, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 195, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 195, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 195, 121);  
box-shadow:4px 4px 4px 4px rgb(190, 195,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.858, 109.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 195, 121) }
```

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

```
.background{ background-color: rgb(190,  
195, 121) }
```

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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