

Converting Colors

CIELCh(78, 45.689, 111.722)

Have a look what the booklet for
CIELCh(78, 45.689, 111.722)
contains.

CIELCh(78, 45.833, 111.704)	3
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Color

CIELCh(78, 45.833, 111.704)

Conversions

Conversions Part 1

Format	Color
Hex	BDC870
RGB	189, 200, 112
RGB Percent	74%, 78%, 44%
CMY	0.2594, 0.2162, 0.5613
CMYK	0.06, 0.00, 0.44, 0.22
HSL	68°, 44%, 61%
HSV	68°, 44%, 78%
XYZ	44.4909, 53.2120, 23.2173
YIQ	186.6790, 21.6920, -29.7000

Conversions

Conversions Part 2

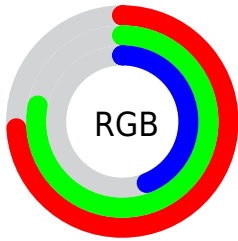
Format	Color
RYB	112, 200, 123
Decimal	12437616
CIELab	78.00, -16.95, 42.58
CIELCh	78, 45.833, 111.704
Yxy	53.2120, 0.3679, 0.4401
Android (android.graphics.Color)	4290627696 (0xFFBDC870)
YUV	186.6790, -36.8167, 2.0355
Hunter-Lab	72.9466, -18.7873, 32.1918

Details

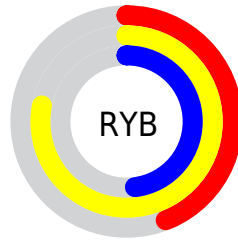
The CIELCh color **78, 45.833, 111.704** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **52, 51.268, 299.798**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 45.108, 111.207**, and **58, 45.946, 111.621** is the 20% darker color. If you saturate the color by 10%, you get **78, 55.322, 111.038**, and if you desaturate by 10%, it is **78, 35.808, 112.446**.

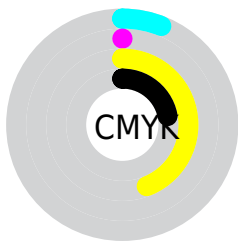
Distribution



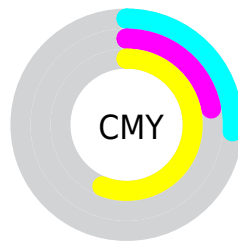
- Red (74%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (78%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)





- Cyan (26%)
- Magenta (22%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 45.833, 111.704 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 78, 45.833, 111.704 by changing the saturation by 10% instead.


 78, 45.833,
111.704


 78, 45.833,
111.704


 100, 45.833,
111.704


 68, 45.833,
111.704


 98, 45.833,
111.704

 58, 45.833,
111.704

 48, 45.833,
111.704

 38, 45.833,
111.704

 28, 45.833,
111.704

 18, 45.833,
111.704

 8, 45.833, 111.704

■ 0, 45.833, 111.704

■ 78, 45.833,
111.704

■ 78, 45.833,
111.704

■ 78, 55.322,
111.038

■ 78, 35.808,
112.446

■ 77, 63.956,
110.490

■ 79, 25.456,
113.220

■ 77, 71.307,
110.127

■ 80, 14.917,
114.004

■ 77, 76.875,
110.023

■ 80, 4.284, 114.777

■ 76, 80.284,
110.241

■ 81, 6.383, 295.539

■ 76, 81.553,
110.485

■ 82, 17.040,
296.264

■ 83, 27.658,

296.957

■ 83, 29.430,
298.404

■ 83, 29.528,
300.000

Harmonies

Complementary

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



78, 45.833, 111.704



52, 51.268, 299.798

Rectangle

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



78, 45.833, 111.704



78, 45.833, 161.704



78, 45.833, 291.704



78, 45.833, 341.704

Sweetspot

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



78, 45.834, 111.706



99, 16.852, 114.069



59, 34.510, 32.415



53, 11.785, 113.894



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 45.834, 111.706



96, 66.173, 111.054



75, 50.826, 130.968



42, 6.012, 114.365



63, 70.142, 110.378



13, 20.491, 113.370

Inverse Universe

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



52, 51.268, 299.798



58, 76.533, 301.240



56, 53.171, 314.968



38, 6.142, 295.855



19, 95.064, 306.786



1, 21.586, 295.043

Previews

White Background



This preview shows how the CIELCh color 78, 45.833, 111.704 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 78, 45.833, 111.704 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 78, 45.833, 111.704

Background



This preview shows how black text looks on a background with the CIELCh color 78, 45.833, 111.704.




This preview shows how white text looks on a background with the CIELCh color 78, 45.833, 111.704.

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





Tritanopia
78, 9.022, 317.066

Trichromacy



Original Color
78, 45.833, 111.704

Protanomaly
78, 44.418, 101.674

Deuteranomaly
78, 41.857, 89.856

Tritanomaly
78, 12.307, 103.641

Monochromacy



Original Color
78, 45.833, 111.704

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 17.143, 113.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 45.833, 111.704 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, 200, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 200, 112)  
}
```

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, 200, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 200, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 45.833, 111.704 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, 200, 112) }
```

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

```
.border{ border-color:rgb(189, 200, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 200, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 200, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 200, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 200,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 45.833, 111.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 200, 112) }
```

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

```
.background{ background-color: rgb(189,  
200, 112) }
```

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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