

Converting Colors

CIELCh(78, 43.645, 102.418)

Have a look what the booklet for
CIELCh(78, 43.645, 102.418)
contains.

CIELCh(78, 43.862, 102.247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 43.862, 102.247)

Conversions

Conversions Part 1

Format	Color
Hex	CBC470
RGB	203, 196, 112
RGB Percent	80%, 77%, 44%
CMY	0.2048, 0.2322, 0.5616
CMYK	0.00, 0.03, 0.45, 0.20
HSL	55°, 47%, 62%
HSV	55°, 45%, 80%
XYZ	47.1715, 53.2120, 23.0545
YIQ	188.5170, 31.1360, -24.6400

Conversions

Conversions Part 2

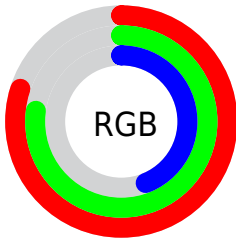
Format	Color
RYB	120, 203, 112
Decimal	13354096
CIELab	78.00, -9.30, 42.86
CIELCh	78, 43.862, 102.247
Yxy	53.2120, 0.3821, 0.4311
Android (android.graphics.Color)	4291544176 (0xFFCBC470)
YUV	188.5170, -37.7229, 12.7016
Hunter-Lab	72.9466, -12.2279, 32.3242

Details

The CIELCh color **78, 43.862, 102.247** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **53, 48.543, 293.475**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 43.602, 105.268**, and **58, 43.886, 102.014** is the 20% darker color. If you saturate the color by 10%, you get **77, 52.893, 101.246**, and if you desaturate by 10%, it is **79, 34.370, 103.285**.

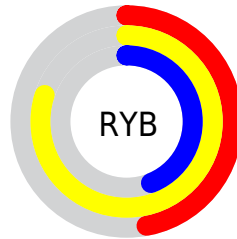
Distribution



Red (80%)

Green (77%)

Blue (44%)



Red (47%)

Yellow (80%)

Blue (44%)

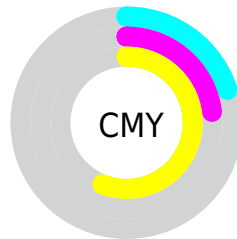


Cyan (0%)

Magenta (3%)

Yellow (45%)

Black (20%)



Cyan (20%)


Magenta (23%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 43.862, 102.247 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, 43.862, 102.247 by changing the saturation by 10% instead.

 78, 43.862,
102.247

 78, 43.862,
102.247

 100, 43.862,
102.247


 68, 43.862,
102.247


 98, 43.862,
102.247

 58, 43.862,
102.247

 48, 43.862,
102.247

 38, 43.862,
102.247

 28, 43.862,
102.247

 18, 43.862,
102.247

 8, 43.862, 102.247

0, 43.862, 102.247

78, 43.862,
102.247

78, 43.862,
102.247

77, 52.893,
101.246

79, 34.370,
103.285

77, 61.140,
100.296

79, 24.621,
104.332

76, 68.141, 99.425

80, 14.745,
105.375

76, 73.336, 98.652

81, 4.821, 106.390

75, 76.261, 97.984

82, 5.102, 287.433

75, 77.148, 97.667

83, 14.995,
288.391

84, 24.837,

289.321

■ 85, 24.668,
288.099

■ 85, 23.852,
286.649

Harmonies

Complementary

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



78, 43.862, 102.247



53, 48.543, 293.475

Rectangle

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



78, 43.862, 102.247



78, 43.862, 152.247



78, 43.862, 282.247



78, 43.862, 332.247

Sweetspot

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



78, 43.863, 102.250



99, 15.531, 105.549



58, 38.461, 17.954



52, 10.867, 105.318



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, 43.863, 102.250



95, 62.716, 101.260



77, 49.610, 123.900



43, 5.654, 105.936



62, 66.463, 97.746



13, 20.121, 101.039

Inverse Universe

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



53, 48.543, 293.475



58, 71.774, 295.599



54, 53.689, 308.718



40, 5.760, 287.930



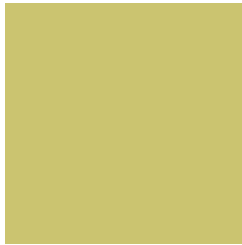
20, 93.275, 305.222



2, 22.270, 290.527

Previews

White Background



This preview shows how the CIELCh color 78, 43.862, 102.247 looks on a white background.

Color Contrast Check

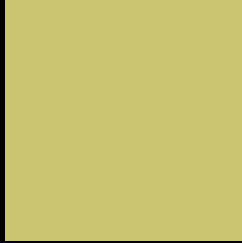
Large Text (above 18pt) WCAG AA × Fail

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, 43.862, 102.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

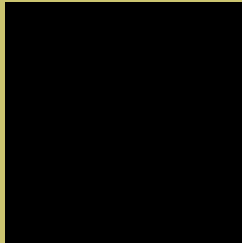
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 43.862, 102.247

Background



This preview shows how black text looks on a background with the CIELCh color 78, 43.862, 102.247.



This preview shows how white text looks on a background with the CIELCh color 78, 43.862, 102.247.

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

78, 43.862, 102.247

Protanopia

78, 43.604, 96.056

Deuteranopia

78, 42.885, 76.681



Tritanopia
78, 12.823, 341.765

Trichromacy



Original Color
78, 43.862, 102.247

Protanomaly
78, 43.768, 98.331

Deuteranomaly
78, 42.023, 85.638

Tritanomaly
78, 13.702, 74.268

Monochromacy



Original Color
78, 43.862, 102.247

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 16.554, 105.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 43.862, 102.247 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(203, 196, 112)` looks like.

```
.text, #text, p{  
    color:rgb(203, 196, 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(203, 196, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 196, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 43.862, 102.247 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(203, 196, 112) }
```

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

```
.border{ border-color:rgb(203, 196, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 196, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 196, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 196, 112);  
box-shadow:4px 4px 4px 4px rgb(203, 196,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 43.862, 102.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 196, 112) }
```

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

```
.background{ background-color: rgb(203,  
196, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor