

Converting Colors

CIELCh(89, 23.011, 102.952)

Have a look what the booklet for
CIELCh(89, 23.011, 102.952)
contains.

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Color

CIELCh(89, 22.847, 102.474)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1B5
RGB	231, 225, 181
RGB Percent	91%, 88%, 71%
CMY	0.0942, 0.1177, 0.2902
CMYK	0.00, 0.03, 0.22, 0.09
HSL	53°, 51%, 81%
HSV	53°, 22%, 91%
XYZ	68.2100, 74.1641, 54.4278
YIQ	221.7780, 17.7000, -12.4120

Conversions

Conversions Part 2

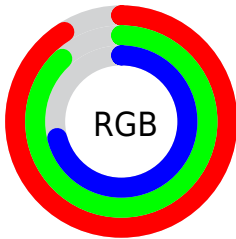
Format	Color
RYB	188, 231, 181
Decimal	15196597
CIELab	89.00, -4.93, 22.31
CIELCh	89, 22.847, 102.474
Yxy	74.1641, 0.3466, 0.3768
Android (android.graphics.Color)	4293386677 (0xFFE7E1B5)
YUV	221.7780, -20.1036, 8.0877
Hunter-Lab	86.1186, -9.3271, 22.8111

Details

The CIELCh color **89, 22.847, 102.474** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 23.701, 287.530**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **69, 22.909, 102.666** is the 20% darker color. If you saturate the color by 10%, you get **88, 33.342, 101.371**, and if you desaturate by 10%, it is **90, 12.287, 103.569**.

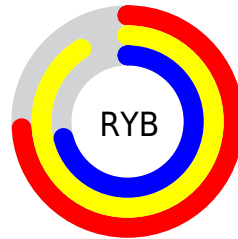
Distribution



Red (91%)

Green (88%)

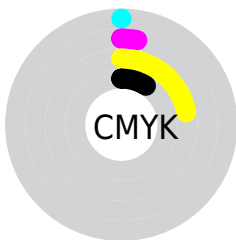
Blue (71%)



Red (74%)

Yellow (91%)

Blue (71%)

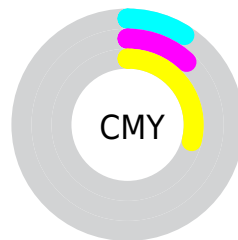


Cyan (0%)

Magenta (3%)

Yellow (22%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 22.847, 102.474 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 89, 22.847, 102.474 by changing the saturation by 10% instead.

 89, 22.847,
102.474


 89, 22.847,
102.474

 100, 22.847,
102.474

 79, 22.847,
102.474

 69, 22.847,
102.474

 59, 22.847,
102.474

 49, 22.847,
102.474

 39, 22.847,
102.474

 29, 22.847,
102.474

 19, 22.847,

102.474

■ 9, 22.847, 102.474

■ 0, 22.847, 102.474

■ 89, 22.847,
102.474

■ 89, 22.847,
102.474

■ 88, 33.342,
101.371

■ 90, 12.287,
103.569

■ 87, 43.654,
100.258

■ 91, 1.725, 104.573

■ 86, 53.596, 99.156

■ 93, 8.799, 285.698

■ 85, 62.860, 98.079

■ 94, 9.883, 280.861

■ 84, 70.979, 97.044

■ 94, 8.689, 272.901

■ 95, 7.711, 262.720

■ 83, 77.316, 96.058

■ 96, 7.037, 250.160

■ 82, 81.225, 95.116

■ 96, 6.755, 235.830

■ 82, 82.682, 94.342

■ 97, 6.910, 221.270

Harmonies

Complementary

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



89, 22.847, 102.474



77, 23.701, 287.530

Rectangle

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



89, 22.847, 102.474



89, 22.847, 152.474



89, 22.847, 282.474



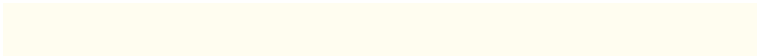
89, 22.847, 332.474

Sweetspot

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



89, 22.849, 102.479



99, 6.849, 104.163



78, 19.403, 10.581



53, 4.544, 104.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 22.849, 102.479



97, 29.722, 101.983



89, 26.705, 123.144



48, 5.959, 103.803



65, 68.264, 94.499



18, 26.252, 96.523

Inverse Universe

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



77, 23.701, 287.530



81, 31.098, 288.217



77, 27.751, 305.526



44, 6.058, 285.900



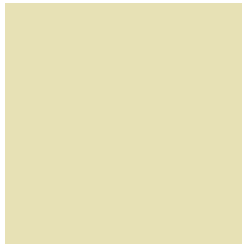
23, 96.140, 304.526



3, 30.885, 294.326

Previews

White Background



This preview shows how the CIELCh color 89, 22.847, 102.474 looks on a white background.

Color Contrast Check

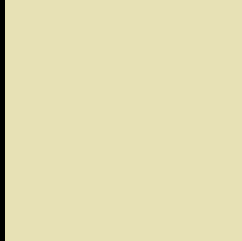
Large Text (above 18pt) WCAG AA × Fail

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 89, 22.847, 102.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

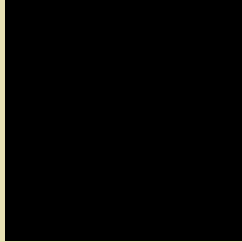
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

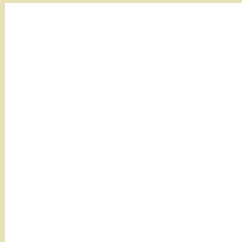
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 22.847, 102.474

Background



This preview shows how black text looks on a background with the CIELCh color 89, 22.847, 102.474.



This preview shows how white text looks on a background with the CIELCh color 89, 22.847, 102.474.

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

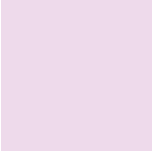
89, 22.847, 102.474

Protanopia

89, 22.910, 94.605

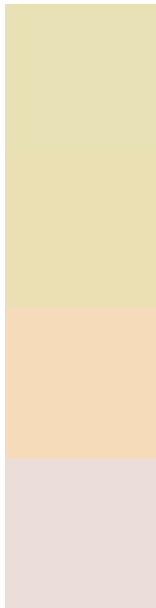
Deuteranopia

89, 20.745, 62.267



Tritanopia
89, 11.405, 329.317

Trichromacy



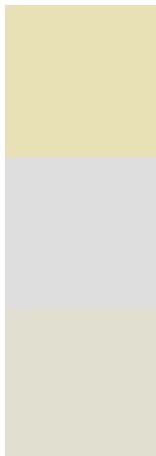
Original Color
89, 22.847, 102.474

Protanomaly
89, 23.144, 97.673

Deuteranomaly
89, 20.130, 77.463

Tritanomaly
89, 5.988, 50.906

Monochromacy



Original Color
89, 22.847, 102.474

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 8.332, 104.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 22.847, 102.474 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(231, 225, 181)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 181)  
}
```

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(231, 225, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 22.847, 102.474 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(231, 225, 181) }
```

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

```
.border{ border-color:rgb(231, 225, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 181);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 22.847, 102.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 181) }
```

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

```
.background{ background-color: rgb(231,  
225, 181) }
```

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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