

Converting Colors

CIELCh(89, 8.059, 102.753)

Have a look what the booklet for
CIELCh(89, 8.059, 102.753) contains.

CIELCh(89, 7.848, 101.441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 7.848, 101.441)

Conversions

Conversions Part 1

Format	Color
Hex	E3E0D1
RGB	227, 224, 209
RGB Percent	89%, 88%, 82%
CMY	0.1102, 0.1220, 0.1808
CMYK	0.00, 0.01, 0.08, 0.11
HSL	50°, 24%, 85%
HSV	50°, 8%, 89%
XYZ	69.7659, 74.1641, 70.8900
YIQ	223.1870, 6.6030, -4.0290

Conversions

Conversions Part 2

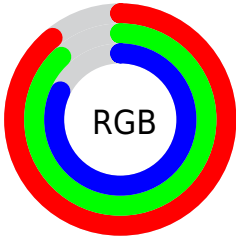
Format	Color
R_{YB}	213, 227, 209
Decimal	14934225
CIE Lab	89.00, -1.56, 7.69
CIE LCh	89, 7.848, 101.441
Yxy	74.1641, 0.3248, 0.3452
Android (android.graphics.Color)	4293124305 (0xFFE3E0D1)
YUV	223.1870, -6.9942, 3.3440
Hunter-Lab	86.1186, -6.1022, 11.4775

Details

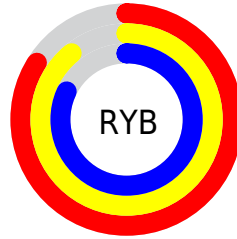
The CIELCh color **89, 7.848, 101.441** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 7.946, 283.283**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 7.732, 100.683** is the 20% darker color. If you saturate the color by 10%, you get **88, 17.801, 100.334**, and if you desaturate by 10%, it is **91, 2.052, 282.646**.

Distribution



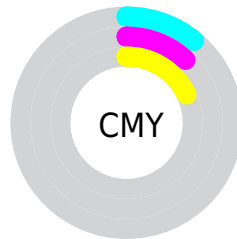
- Red (89%)
- Green (88%)
- Blue (82%)



- Red (84%)
- Yellow (89%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 7.848, 101.441 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, 7.848, 101.441 by changing the saturation by 10% instead.

■ 89, 7.848, 101.441

■ 89, 7.848, 101.441

■ 100, 7.848,
101.441

■ 79, 7.848, 101.441

■ 69, 7.848, 101.441

■ 59, 7.848, 101.441

■ 49, 7.848, 101.441

■ 39, 7.848, 101.441

■ 29, 7.848, 101.441

■ 19, 7.848, 101.441

■ 9, 7.848, 101.441

■ 0, 7.848, 101.441

89, 7.848, 101.441

89, 7.848, 101.441

88, 17.801,
100.334

91, 2.052, 282.646

86, 27.755, 99.178

92, 11.882,
283.642

85, 37.635, 98.001

93, 10.534,
275.428

84, 47.301, 96.816

94, 9.126, 264.072

82, 56.520, 95.630

95, 8.185, 249.468

81, 64.910, 94.449

96, 7.875, 232.555

80, 71.900, 93.271

97, 8.260, 215.859

79, 76.784, 92.073

98, 9.246, 201.735

78, 79.099, 90.810

98, 9.550, 198.872

Harmonies

Complementary

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



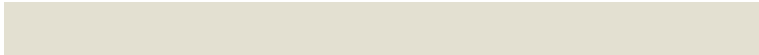
89, 7.848, 101.441



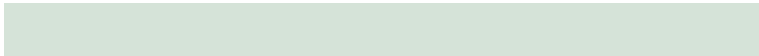
85, 7.946, 283.283

Rectangle

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



89, 7.848, 101.441



89, 7.848, 151.441



89, 7.848, 281.441



89, 7.848, 331.441

Sweetspot

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



89, 7.850, 101.455



100, 2.163, 102.051



85, 6.785, 6.462



53, 1.230, 102.058



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, 7.850, 101.455



98, 10.889, 101.220



89, 9.598, 122.627



46, 5.573, 101.289



62, 65.777, 90.779



16, 23.843, 93.429

Inverse Universe

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



85, 7.946, 283.283



93, 11.047, 283.545



85, 9.750, 303.484



44, 5.650, 283.467



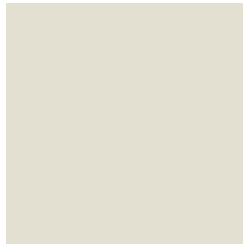
24, 91.404, 303.368



4, 28.013, 292.130

Previews

White Background



This preview shows how the CIELCh color 89, 7.848, 101.441 looks on a white background.

Color Contrast Check

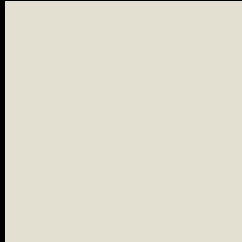
Large Text (above 18pt) WCAG AA × Fail

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, 7.848, 101.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

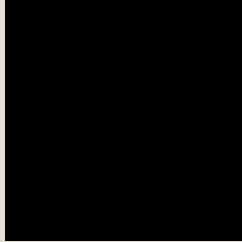
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

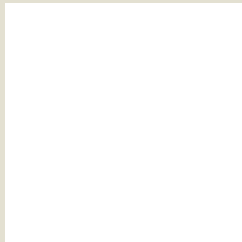
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 7.848, 101.441

Background



This preview shows how black text looks on a background with the CIELCh color 89, 7.848, 101.441.

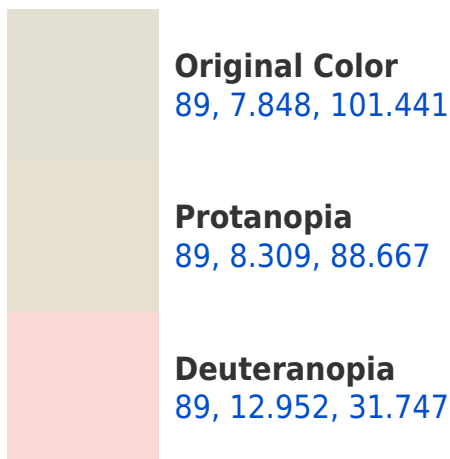


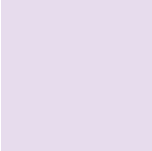
This preview shows how white text looks on a background with the CIELCh color 89, 7.848, 101.441.

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
89, 9.720, 314.313

Trichromacy



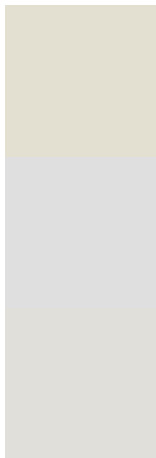
Original Color
89, 7.848, 101.441

Protanomaly
89, 8.185, 91.104

Deuteranomaly
89, 9.741, 48.439

Tritanomaly
89, 4.517, 335.853

Monochromacy



Original Color
89, 7.848, 101.441

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 2.611, 101.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 7.848, 101.441 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(227, 224, 209)` looks like.

```
.text, #text, p{  
    color:rgb(227, 224, 209)  
}
```

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(227, 224, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 224, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 7.848, 101.441 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(227, 224, 209) }
```

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

```
.border{ border-color:rgb(227, 224, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 224, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 224, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 224, 209);  
box-shadow:4px 4px 4px 4px rgb(227, 224,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 7.848, 101.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 224, 209) }
```

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

```
.background{ background-color: rgb(227,  
224, 209) }
```

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