

Converting Colors

CIELCh(89, 12.516, 107.928)

Have a look what the booklet for
CIELCh(89, 12.516, 107.928)
contains.

CIELCh(89, 12.437, 107.429)	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(89, 12.437, 107.429)

Conversions

Conversions Part 1

Format	Color
Hex	E2E1C9
RGB	226, 225, 201
RGB Percent	89%, 88%, 79%
CMY	0.1141, 0.1180, 0.2121
CMYK	0.00, 0.00, 0.11, 0.11
HSL	58°, 30%, 84%
HSV	58°, 11%, 89%
XYZ	68.7645, 74.1641, 65.8914
YIQ	222.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

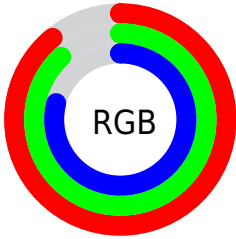
Format	Color
R_{YB}	202, 226, 201
Decimal	14868937
CIE _{Lab}	89.00, -3.73, 11.87
CIE _{LCh}	89, 12.437, 107.429
Y _{xy}	74.1641, 0.3293, 0.3552
Android (android.graphics.Color)	4293059017 (0xFFE2E1C9)
YUV	222.5630, -10.6306, 3.0142
Hunter-Lab	86.1186, -8.1779, 14.9189

Details

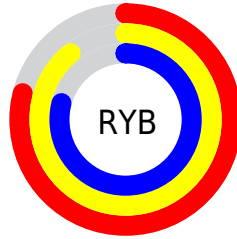
The CIELCh color **89, 12.437, 107.429** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 12.736, 289.743**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 12.553, 107.083** is the 20% darker color. If you saturate the color by 10%, you get **88, 23.633, 106.429**, and if you desaturate by 10%, it is **90, 1.189, 108.367**.

Distribution



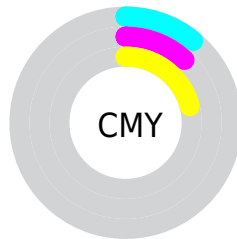
- Red (89%)
- Green (88%)
- Blue (79%)



- Red (79%)
- Yellow (89%)
- Blue (79%)



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



- Cyan (11%)
- Magenta (12%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 12.437, 107.429 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, 12.437, 107.429 by changing the saturation by 10% instead.

 89, 12.437,
107.429

 89, 12.437,
107.429


 100, 12.437,
107.429


 79, 12.437,
107.429


 69, 12.437,
107.429

 59, 12.437,
107.429

 49, 12.437,
107.429

 39, 12.437,
107.429

 29, 12.437,
107.429

 19, 12.437,

107.429

■ 9, 12.437, 107.429

■ 0, 12.437, 107.429

■ 89, 12.437,
107.429

■ 89, 12.437,
107.429

■ 88, 23.633,
106.429

■ 90, 1.189, 108.367

■ 88, 34.689,
105.419

■ 91, 10.067,
289.420

■ 87, 45.477,
104.423

■ 91, 14.215,
288.995

■ 87, 55.793,
103.465

■ 91, 13.750,
287.607

■ 86, 65.317,

■ 92, 13.294,
286.126

102.571

92, 12.847,
284.544

86, 73.589,
101.774

92, 12.411,
282.851

85, 80.031,
101.106

92, 11.987,
281.040

85, 84.105,
100.591

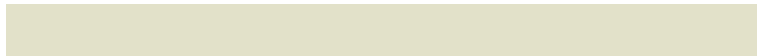
92, 11.575,
279.100

85, 85.851,
100.244

Harmonies

Complementary

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



89, 12.437, 107.429



82, 12.736, 289.743

Rectangle

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



89, 12.437, 107.429



89, 12.437, 157.429



89, 12.437, 287.429



89, 12.437, 337.429

Sweetspot

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



89, 12.439, 107.437



100, 3.715, 108.221



83, 9.326, 16.035



53, 2.818, 108.147



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, 12.439, 107.437



99, 16.120, 107.235



88, 13.649, 126.795



47, 6.349, 107.599



68, 71.259, 100.288



19, 26.900, 101.732

Inverse Universe

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



82, 12.736, 289.743



90, 16.571, 289.984



83, 13.886, 307.824



43, 6.481, 289.555



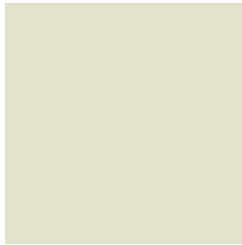
21, 99.454, 305.780



2, 30.757, 295.024

Previews

White Background



This preview shows how the CIELCh color 89, 12.437, 107.429 looks on a white background.

Color Contrast Check

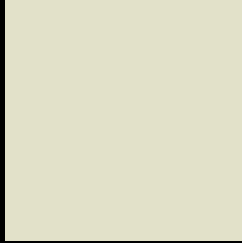
Large Text (above 18pt) WCAG AA × Fail

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, 12.437, 107.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

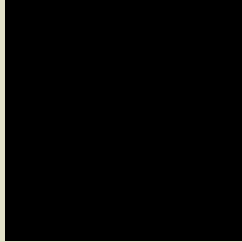
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

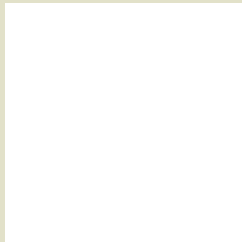
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.437, 107.429

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.437, 107.429.

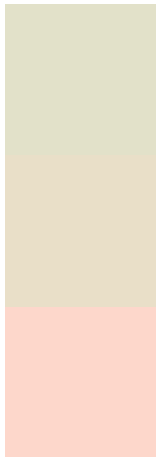


This preview shows how white text looks on a background with the CIELCh color 89, 12.437, 107.429.

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](#).

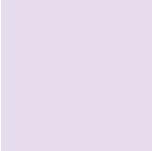
Dichromacy



Original Color
89, 12.437, 107.429

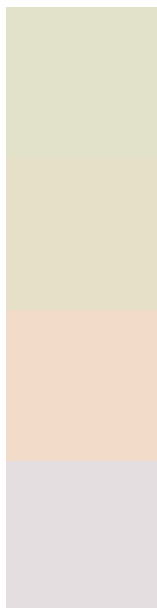
Protanopia
89, 12.492, 91.701

Deuteranopia
89, 15.726, 43.500



Tritanopia
89, 9.720, 314.313

Trichromacy



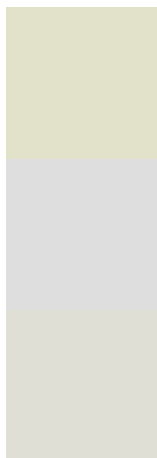
Original Color
89, 12.437, 107.429

Protanomaly
89, 12.630, 98.898

Deuteranomaly
89, 12.656, 63.825

Tritanomaly
89, 2.736, 357.045

Monochromacy



Original Color
89, 12.437, 107.429

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 4.671, 109.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.437, 107.429 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(226, 225, 201)` looks like.

```
.text, #text, p{  
    color:rgb(226, 225, 201)  
}
```

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(226, 225, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 225, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.437, 107.429 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(226, 225, 201) }
```

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

```
.border{ border-color:rgb(226, 225, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 225, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 225, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 225, 201);  
box-shadow:4px 4px 4px 4px rgb(226, 225,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.437, 107.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 225, 201) }
```

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

```
.background{ background-color: rgb(226,  
225, 201) }
```

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