

Converting Colors

CIELCh(89, 10.880, 109.276)

Have a look what the booklet for
CIELCh(89, 10.880, 109.276)
contains.

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Color

CIELCh(89, 10.883, 109.273)

Conversions

Conversions Part 1

Format	Color
Hex	E1E1CC
RGB	225, 225, 204
RGB Percent	88%, 88%, 80%
CMY	0.1179, 0.1179, 0.2003
CMYK	0.00, 0.00, 0.09, 0.12
HSL	60°, 26%, 84%
HSV	60°, 9%, 88%
XYZ	68.8256, 74.1641, 67.7703
YIQ	222.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

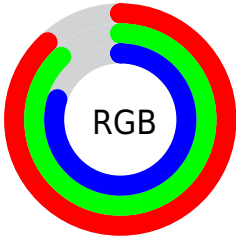
Format	Color
R_{YB}	204, 225, 204
Decimal	14803404
CIE _{Lab}	89.00, -3.59, 10.27
CIE _{LCh}	89, 10.883, 109.273
Yxy	74.1641, 0.3266, 0.3519
Android (android.graphics.Color)	4292993484 (0xFFE1E1CC)
YUV	222.6060, -9.1728, 2.0995
Hunter-Lab	86.1186, -8.0511, 13.6253

Details

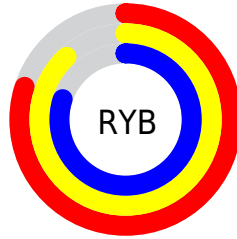
The CIELCh color **89, 10.883, 109.273** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 11.126, 291.156**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 10.918, 109.060** is the 20% darker color. If you saturate the color by 10%, you get **89, 22.482, 108.312**, and if you desaturate by 10%, it is **90, 0.785, 290.339**.

Distribution



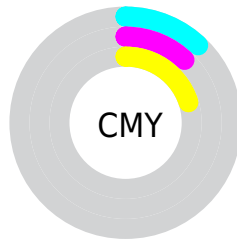
- Red (88%)
- Green (88%)
- Blue (80%)



- Red (80%)
- Yellow (88%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)





- Cyan (12%)
- Magenta (12%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 10.883, 109.273 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, 10.883, 109.273 by changing the saturation by 10% instead.


 89, 10.883,
109.273


 89, 10.883,
109.273


 100, 10.883,
109.273


 79, 10.883,
109.273

 69, 10.883,
109.273

 59, 10.883,
109.273

 49, 10.883,
109.273

 39, 10.883,
109.273

 29, 10.883,
109.273

 19, 10.883,

109.273

■ 9, 10.883, 109.273

■ 0, 10.883, 109.273

■ 89, 10.883,
109.273

■ 89, 10.883,
109.273

■ 89, 22.482,
108.312

■ 90, 0.785, 290.339

■ 88, 33.924,
107.343

■ 90, 12.474,
291.195

■ 88, 45.081,
106.397

■ 90, 15.632,
291.447

■ 87, 55.751,
105.496

■ 90, 15.632,
291.453

■ 87, 65.628,

■ 90, 15.632,
291.459

104.673

90, 15.632,
291.465

87, 74.276,
103.965

90, 15.632,
291.471

87, 81.148,
103.414

90, 15.632,
291.477

87, 85.732,
103.053

90, 15.632,
291.483

87, 88.022,
102.875

Harmonies

Complementary

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



89, 10.883, 109.273



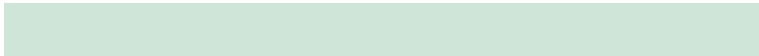
83, 11.126, 291.156

Rectangle

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



89, 10.883, 109.273



89, 10.883, 159.273



89, 10.883, 289.273



89, 10.883, 339.273

Sweetspot

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



89, 10.885, 109.282



100, 3.868, 109.878



84, 7.786, 19.925



53, 2.934, 109.804



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, 10.885, 109.282



99, 14.193, 109.114



88, 11.602, 128.666



47, 6.607, 109.271



70, 73.366, 102.865



19, 27.934, 103.897

Inverse Universe

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



83, 11.126, 291.156



91, 14.561, 291.351



83, 11.761, 309.476



43, 6.754, 291.167



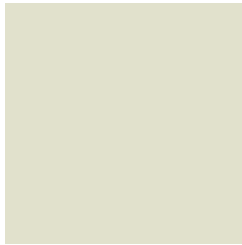
21, 101.304, 306.288



2, 31.634, 295.834

Previews

White Background



This preview shows how the CIELCh color 89, 10.883, 109.273 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, 10.883, 109.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

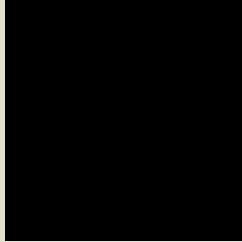
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

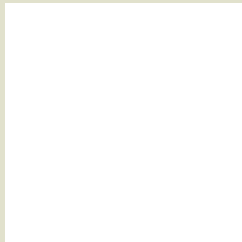
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 10.883, 109.273

Background



This preview shows how black text looks on a background with the CIELCh color 89, 10.883, 109.273.



This preview shows how white text looks on a background with the CIELCh color 89, 10.883, 109.273.

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](#).

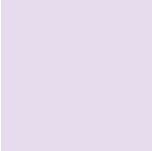
Dichromacy



Original Color
89, 10.883, 109.273

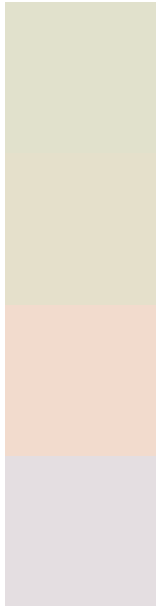
Protanopia
89, 10.890, 91.349

Deuteranopia
89, 14.547, 41.044



Tritanopia
89, 9.583, 312.374

Trichromacy



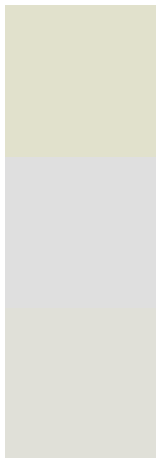
Original Color
89, 10.883, 109.273

Protanomaly
89, 11.034, 99.560

Deuteranomaly
89, 11.285, 59.763

Tritanomaly
89, 2.678, 343.699

Monochromacy



Original Color
89, 10.883, 109.273

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.147, 109.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 10.883, 109.273 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(225, 225, 204)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 204)  
}
```

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(225, 225, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 10.883, 109.273 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(225, 225, 204) }
```

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

```
.border{ border-color:rgb(225, 225, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 204);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 10.883, 109.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 204) }
```

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

```
.background{ background-color: rgb(225,  
225, 204) }
```

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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