

Converting Colors

CIELCh(89, 12.962, 109.198)

Have a look what the booklet for
CIELCh(89, 12.962, 109.198)
contains.

CIELCh(89, 12.953, 109.102)	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, 12.953, 109.102)

Conversions

Conversions Part 1

Format	Color
Hex	E1E1C8
RGB	225, 225, 200
RGB Percent	88%, 88%, 78%
CMY	0.1169, 0.1169, 0.2150
CMYK	0.00, 0.00, 0.11, 0.12
HSL	60°, 30%, 83%
HSV	60°, 11%, 88%
XYZ	68.5286, 74.1641, 65.4556
YIQ	222.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

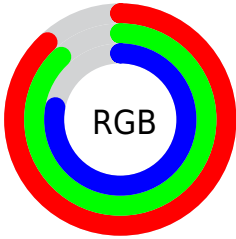
Format	Color
R_{YB}	200, 225, 200
Decimal	14803400
CIE _{Lab}	89.00, -4.24, 12.24
CIE _{LCh}	89, 12.953, 109.102
Y _{xy}	74.1641, 0.3292, 0.3563
Android (android.graphics.Color)	4292993480 (0xFFE1E1C8)
YUV	222.1500, -10.9199, 2.4995
Hunter-Lab	86.1186, -8.6667, 15.2189

Details

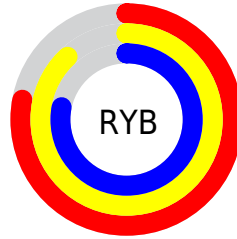
The CIELCh color **89, 12.953, 109.102** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 13.291, 291.353**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 13.094, 108.836** is the 20% darker color. If you saturate the color by 10%, you get **89, 24.543, 108.138**, and if you desaturate by 10%, it is **90, 1.282, 110.025**.

Distribution



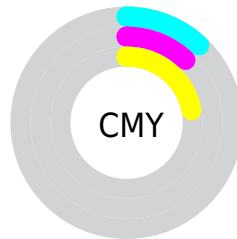
- Red (88%)
- Green (88%)
- Blue (78%)



- Red (78%)
- Yellow (88%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (12%)





- Cyan (12%)
- Magenta (12%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.953, 109.102 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, 12.953, 109.102 by changing the saturation by 10% instead.


 89, 12.953,
109.102


 89, 12.953,
109.102


 100, 12.953,
109.102


 79, 12.953,
109.102


 69, 12.953,
109.102

 59, 12.953,
109.102

 49, 12.953,
109.102

 39, 12.953,
109.102

 29, 12.953,
109.102

 19, 12.953,

109.102

■ 9, 12.953, 109.102

■ 0, 12.953, 109.102

■ 89, 12.953,
109.102

■ 89, 12.953,
109.102

■ 89, 24.543,
108.138

■ 90, 1.282, 110.025

■ 88, 35.955,
107.172

■ 90, 10.416,
291.031

■ 88, 47.053,
106.231

■ 90, 15.497,
291.433

■ 88, 57.618,
105.342

■ 90, 15.497,
291.438

■ 87, 67.322,

■ 90, 15.497,
291.443

104.536

90, 15.497,
291.448

87, 75.705,
103.853

90, 15.497,
291.453

87, 82.209,
103.333

90, 15.497,
291.458

87, 86.358,
103.007

90, 15.497,
291.463

87, 88.219,
102.863

Harmonies

Complementary

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



89, 12.953, 109.102



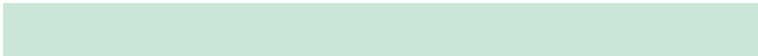
81, 13.291, 291.353

Rectangle

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



89, 12.953, 109.102



89, 12.953, 159.102



89, 12.953, 289.102



89, 12.953, 339.102

Sweetspot

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



89, 12.955, 109.109



100, 3.868, 109.876



83, 9.335, 20.066



53, 2.934, 109.803



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, 12.955, 109.109



99, 16.767, 108.917



88, 13.818, 128.583



47, 6.607, 109.270



70, 73.366, 102.863



19, 27.934, 103.895

Inverse Universe

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



81, 13.291, 291.353



89, 17.277, 291.584



82, 14.036, 309.562



43, 6.754, 291.166



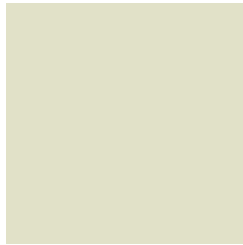
21, 101.304, 306.288



2, 31.634, 295.833

Previews

White Background



This preview shows how the CIELCh color 89, 12.953, 109.102 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 89, 12.953, 109.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

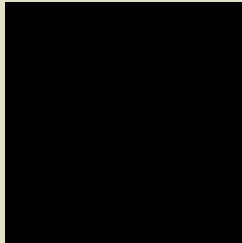
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

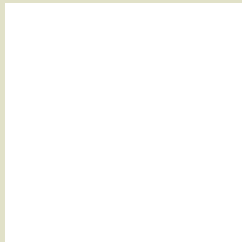
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.953, 109.102

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.953, 109.102.

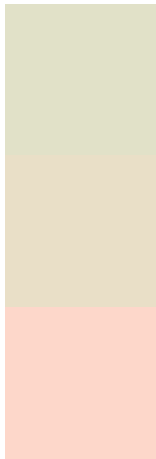


This preview shows how white text looks on a background with the CIELCh color 89, 12.953, 109.102.

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](#).

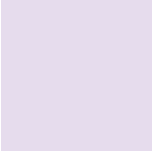
Dichromacy



Original Color
89, 12.953, 109.102

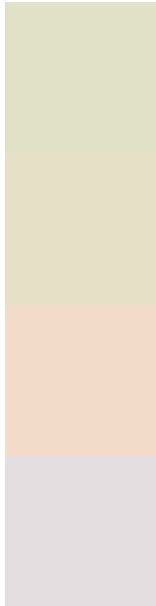
Protanopia
89, 12.990, 92.320

Deuteranopia
89, 15.967, 45.146



Tritanopia
89, 9.583, 312.374

Trichromacy



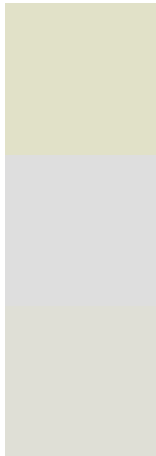
Original Color
89, 12.953, 109.102

Protanomaly
89, 13.140, 99.241

Deuteranomaly
89, 13.037, 65.376

Tritanomaly
89, 2.407, 353.718

Monochromacy



Original Color
89, 12.953, 109.102

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, 12.953, 109.102 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.953, 109.102 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, 200) }
```

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

```
.border{ border-color:rgb(225, 225, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 200);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.953, 109.102 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, 200) }
```

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

```
.background{ background-color: rgb(225,  
225, 200) }
```

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