

Converting Colors

CIELCh(89, 12.235, 109.168)

Have a look what the booklet for
CIELCh(89, 12.235, 109.168)
contains.

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Color

CIELCh(89, 12.435, 109.145)

Conversions

Conversions Part 1

Format	Color
Hex	E1E1C9
RGB	225, 225, 201
RGB Percent	88%, 88%, 79%
CMY	0.1172, 0.1172, 0.2113
CMYK	0.00, 0.00, 0.11, 0.12
HSL	60°, 29%, 84%
HSV	60°, 11%, 88%
XYZ	68.6024, 74.1641, 66.0302
YIQ	222.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

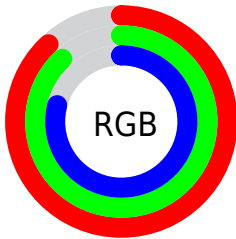
Format	Color
R_{YB}	201, 225, 201
Decimal	14803401
CIE _{Lab}	89.00, -4.08, 11.75
CIE _{LCh}	89, 12.435, 109.145
Yxy	74.1641, 0.3286, 0.3552
Android (android.graphics.Color)	4292993481 (0xFFE1E1C9)
YUV	222.2640, -10.4832, 2.3995
Hunter-Lab	86.1186, -8.5139, 14.8232

Details

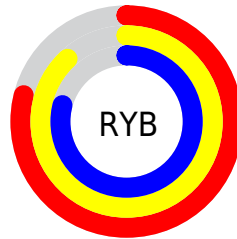
The CIELCh color $89, 12.435, 109.145$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 12.748, 291.303$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $69, 12.550, 108.892$ is the 20% darker color. If you saturate the color by 10%, you get $89, 24.027, 108.182$, and if you desaturate by 10%, it is $90, 0.765, 110.031$.

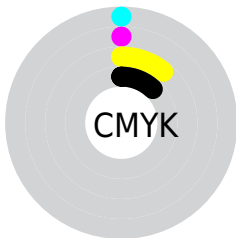
Distribution



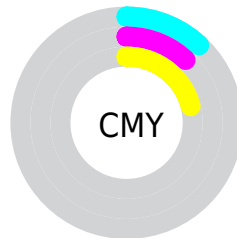
- Red (88%)
- Green (88%)
- Blue (79%)



- Red (79%)
- Yellow (88%)
- Blue (79%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.435, 109.145 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, 12.435, 109.145 by changing the saturation by 10% instead.


 89, 12.435,
109.145


 89, 12.435,
109.145


 100, 12.435,
109.145


 79, 12.435,
109.145

 69, 12.435,
109.145

 59, 12.435,
109.145

 49, 12.435,
109.145

 39, 12.435,
109.145

 29, 12.435,
109.145

 19, 12.435,

109.145

■ 9, 12.435, 109.145

■ 0, 12.435, 109.145

■ 89, 12.435,
109.145

■ 89, 12.435,
109.145

■ 89, 24.027,
108.182

■ 90, 0.765, 110.031

■ 88, 35.448,
107.215

■ 90, 10.932,
291.072

■ 88, 46.561,
106.273

■ 90, 15.530,
291.436

■ 88, 57.153,
105.381

■ 90, 15.530,
291.442

■ 87, 66.902,

■ 90, 15.530,
291.447

104.570

90, 15.530,
291.453

87, 75.352,
103.881

90, 15.531,
291.458

87, 81.950,
103.353

90, 15.531,
291.463

87, 86.209,
103.018

90, 15.531,
291.469

87, 88.201,
102.864

Harmonies

Complementary

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



89, 12.435, 109.145



82, 12.748, 291.303

Rectangle

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



89, 12.435, 109.145



89, 12.435, 159.145



89, 12.435, 289.145



89, 12.435, 339.145

Sweetspot

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



89, 12.437, 109.153



100, 3.868, 109.877



83, 8.945, 20.030



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, 12.437, 109.153



99, 16.767, 108.918



88, 13.263, 128.604



47, 6.607, 109.270



70, 73.366, 102.864



19, 27.934, 103.896

Inverse Universe

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



82, 12.748, 291.303



89, 17.277, 291.584



83, 13.465, 309.540



43, 6.754, 291.167



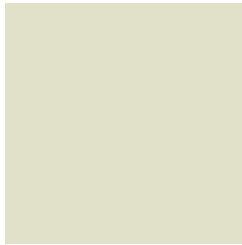
21, 101.304, 306.288



2, 31.634, 295.834

Previews

White Background



This preview shows how the CIELCh color 89, 12.435, 109.145 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, 12.435, 109.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

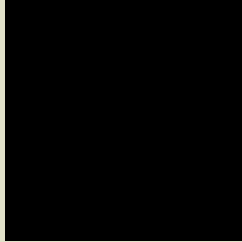
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

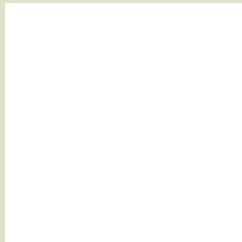
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.435, 109.145

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.435, 109.145.

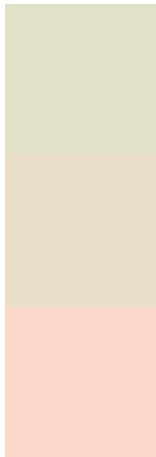


This preview shows how white text looks on a background with the CIELCh color 89, 12.435, 109.145.

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

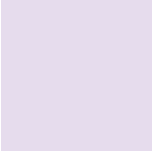
89, 12.435, 109.145

Protanopia

89, 12.492, 91.701

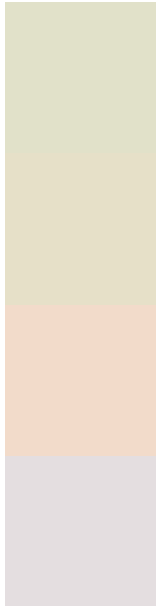
Deuteranopia

89, 15.370, 44.051



Tritanopia
89, 9.583, 312.374

Trichromacy



Original Color
89, 12.435, 109.145

Protanomaly
89, 12.630, 98.898

Deuteranomaly
89, 12.383, 65.049

Tritanomaly
89, 2.407, 353.718

Monochromacy



Original Color
89, 12.435, 109.145

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, 12.435, 109.145 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 225, 201) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 89, 12.435, 109.145 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, 201) }
```

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

```
.border{ border-color:rgb(225, 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(225, 225, 201) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 89, 12.435, 109.145 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, 201) }
```

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

```
.background{ background-color: rgb(225,  
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](#).

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