

Converting Colors

CIELCh(89, 12.713, 128.821)

Have a look what the booklet for
CIELCh(89, 12.713, 128.821)
contains.

CIELCh(89, 12.624, 127.857)	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, 12.624, 127.857)

Conversions

Conversions Part 1

Format	Color
Hex	D8E3CC
RGB	216, 227, 204
RGB Percent	85%, 89%, 80%
CMY	0.1515, 0.1084, 0.1986
CMYK	0.05, 0.00, 0.10, 0.11
HSL	89°, 29%, 85%
HSV	89°, 10%, 89%
XYZ	66.9325, 74.1641, 68.1351
YIQ	221.0890, 0.8270, -9.4850

Conversions

Conversions Part 2

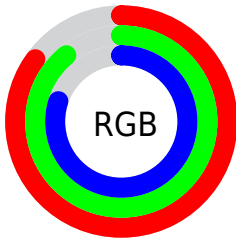
Format	Color
R _Y B	204, 227, 215
Decimal	14214092
CIE Lab	89.00, -7.75, 9.97
CIE LCh	89, 12.624, 127.857
Yxy	74.1641, 0.3199, 0.3545
Android (android.graphics.Color)	4292404172 (0xFFD8E3CC)
YUV	221.0890, -8.4249, -4.4631
Hunter-Lab	86.1186, -11.9751, 13.3741

Details

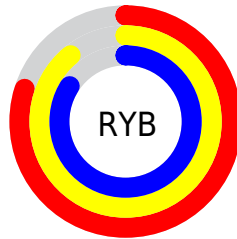
The CIELCh color **89, 12.624, 127.857** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 12.819, 308.766**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 12.786, 128.514** is the 20% darker color. If you saturate the color by 10%, you get **88, 25.115, 127.377**, and if you desaturate by 10%, it is **90, 0.140, 129.175**.

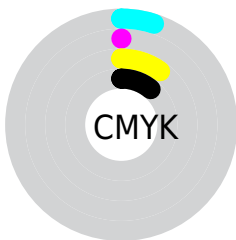
Distribution



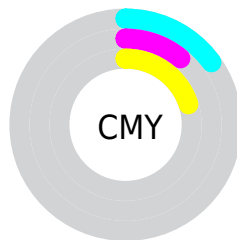
- Red (85%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (15%)
- Magenta (11%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.624, 127.857 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, 12.624, 127.857 by changing the saturation by 10% instead.


 89, 12.624,
127.857


 89, 12.624,
127.857


 100, 12.624,
127.857


 79, 12.624,
127.857

 69, 12.624,
127.857

 59, 12.624,
127.857

 49, 12.624,
127.857

 39, 12.624,
127.857

 29, 12.624,
127.857

 19, 12.624,

127.857

■ 9, 12.624, 127.857

■ 0, 12.624, 127.857

■ 89, 12.624,
127.857

■ 89, 12.624,
127.857

■ 88, 25.115,
127.377

■ 90, 0.140, 129.175

■ 87, 37.505,
126.883

■ 92, 12.273,
308.712

■ 86, 49.653,
126.401

■ 93, 16.207,
318.743

■ 85, 61.349,
125.969

■ 93, 17.277,
325.023

■ 84, 72.288,

125.651

■ 83, 82.042,
125.541

■ 82, 90.081,
125.761

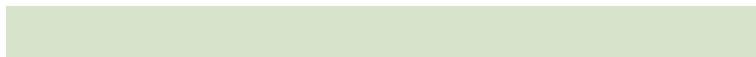
■ 82, 95.903,
126.436

■ 81, 99.536,
127.531

Harmonies

Complementary

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



89, 12.624, 127.857



84, 12.819, 308.766

Rectangle

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



89, 12.624, 127.857



89, 12.624, 177.857



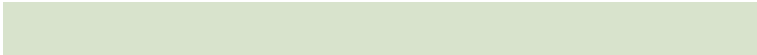
89, 12.624, 307.857



89, 12.624, 357.857

Sweetspot

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



89, 12.626, 127.861



100, 4.094, 128.208



87, 7.207, 70.477



53, 3.106, 128.165



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, 12.626, 127.861



98, 16.436, 127.767



88, 14.515, 142.996



48, 7.138, 127.892



65, 82.855, 127.269



18, 32.081, 126.800

Inverse Universe

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



84, 12.819, 308.766



91, 16.728, 308.863



85, 14.544, 324.066



45, 7.241, 308.733



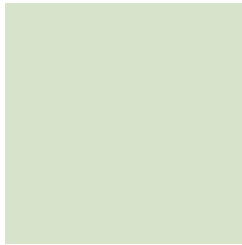
27, 95.899, 311.444



4, 35.493, 310.266

Previews

White Background



This preview shows how the CIELCh color 89, 12.624, 127.857 looks on a white background.

Color Contrast Check

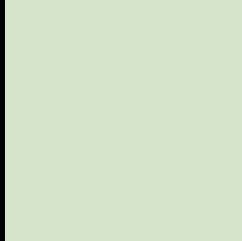
Large Text (above 18pt) WCAG AA × Fail

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, 12.624, 127.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

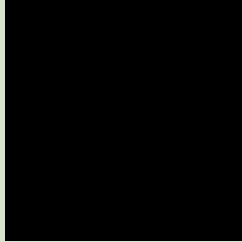
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

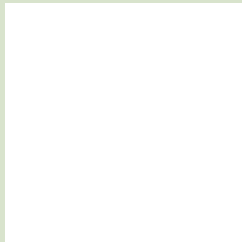
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.624, 127.857

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.624, 127.857.

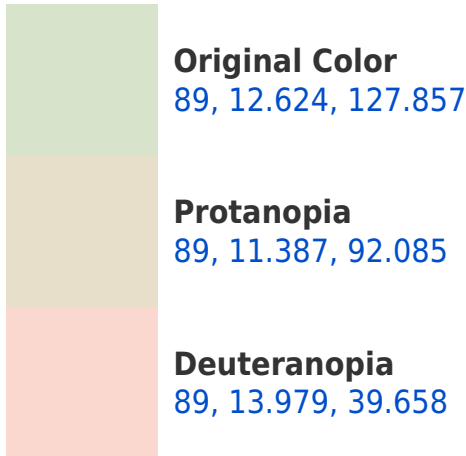


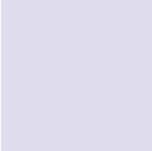
This preview shows how white text looks on a background with the CIELCh color 89, 12.624, 127.857.

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](#).

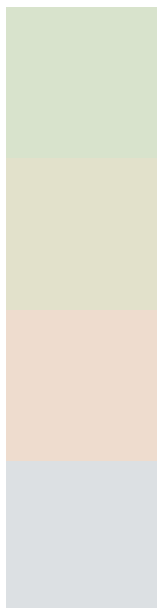
Dichromacy





Tritanopia
89, 9.387, 290.951

Trichromacy



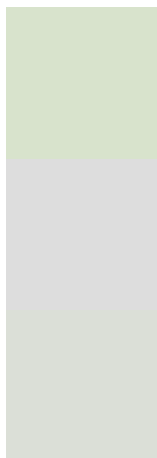
Original Color
89, 12.624, 127.857

Protanomaly
89, 11.403, 107.365

Deuteranomaly
89, 9.892, 66.810

Tritanomaly
89, 2.098, 247.877

Monochromacy



Original Color
89, 12.624, 127.857

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.415, 128.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.624, 127.857 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(216, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 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(216, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.624, 127.857 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(216, 227, 204) }
```

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

```
.border{ border-color:rgb(216, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.624, 127.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 204) }
```

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

```
.background{ background-color: rgb(216,  
227, 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](#).

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