

Converting Colors

CIELCh(89, 21.181, 119.881)

Have a look what the booklet for
CIELCh(89, 21.181, 119.881)
contains.

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Color

CIELCh(89, 21.100, 119.804)

Conversions

Conversions Part 1

Format	Color
Hex	D9E4BC
RGB	217, 228, 188
RGB Percent	85%, 89%, 74%
CMY	0.1475, 0.1043, 0.2612
CMYK	0.05, 0.00, 0.18, 0.10
HSL	77°, 43%, 82%
HSV	77°, 18%, 90%
XYZ	65.7032, 74.1641, 58.6457
YIQ	220.1510, 6.2840, -14.7720

Conversions

Conversions Part 2

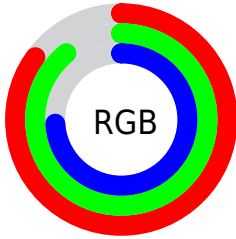
Format	Color
RYB	188, 228, 199
Decimal	14279868
CIELab	89.00, -10.49, 18.31
CIELCh	89, 21.100, 119.804
Yxy	74.1641, 0.3310, 0.3736
Android (android.graphics.Color)	4292469948 (0xFFD9E4BC)
YUV	220.1510, -15.8504, -2.7634
Hunter-Lab	86.1186, -14.5231, 19.9073

Details

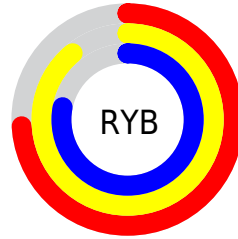
The CIELCh color **89, 21.100, 119.804** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **78, 21.850, 302.015**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **69, 21.129, 120.133** is the 20% darker color. If you saturate the color by 10%, you get **88, 33.020, 119.192**, and if you desaturate by 10%, it is **90, 9.066, 120.419**.

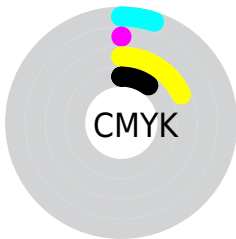
Distribution



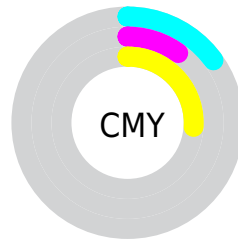
- Red (85%)
- Green (89%)
- Blue (74%)



- Red (74%)
- Yellow (89%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 21.100, 119.804 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, 21.100, 119.804 by changing the saturation by 10% instead.


 89, 21.100,
119.804

 89, 21.100,
119.804

 100, 21.100,
119.804


 79, 21.100,
119.804

 69, 21.100,
119.804

 59, 21.100,
119.804

 49, 21.100,
119.804

 39, 21.100,
119.804

 29, 21.100,
119.804

 19, 21.100,

119.804

■ 9, 21.100, 119.804

■ 0, 21.100, 119.804

■ 89, 21.100,
119.804

■ 89, 21.100,
119.804

■ 88, 33.020,
119.192

■ 90, 9.066, 120.419

■ 87, 44.698,
118.594

■ 91, 3.003, 300.990

■ 87, 55.952,
118.047

■ 92, 14.081,
302.237

■ 86, 66.507,
117.604

■ 93, 14.663,
310.592

■ 85, 75.965,

■ 93, 15.528,
318.257

117.339

94, 16.625,
325.000

85, 83.808,
117.351

84, 89.501,
117.750

84, 92.815,
118.597

84, 93.451,
118.838

Harmonies

Complementary

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



89, 21.100, 119.804



78, 21.850, 302.015

Rectangle

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



89, 21.100, 119.804



89, 21.100, 169.804



89, 21.100, 299.804



89, 21.100, 349.804

Sweetspot

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



89, 21.102, 119.808



99, 6.588, 120.571



82, 12.578, 46.569



53, 4.496, 120.528



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, 21.102, 119.808



98, 27.628, 119.585



88, 23.753, 136.982



48, 6.874, 120.302



67, 77.616, 118.616



19, 30.307, 118.221

Inverse Universe

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



78, 21.850, 302.015



84, 28.825, 302.289



80, 23.993, 318.561



44, 7.009, 301.447



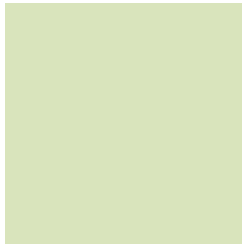
23, 99.745, 308.038



3, 34.369, 303.489

Previews

White Background



This preview shows how the CIELCh color 89, 21.100, 119.804 looks on a white background.

Color Contrast Check

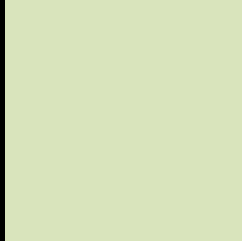
Large Text (above 18pt) WCAG AA × Fail

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, 21.100, 119.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

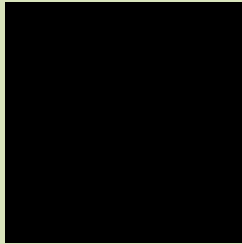
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

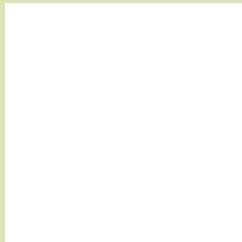
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 21.100, 119.804

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.100, 119.804.

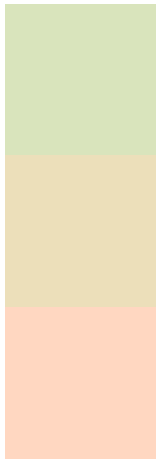


This preview shows how white text looks on a background with the CIELCh color 89, 21.100, 119.804.

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, 21.100, 119.804

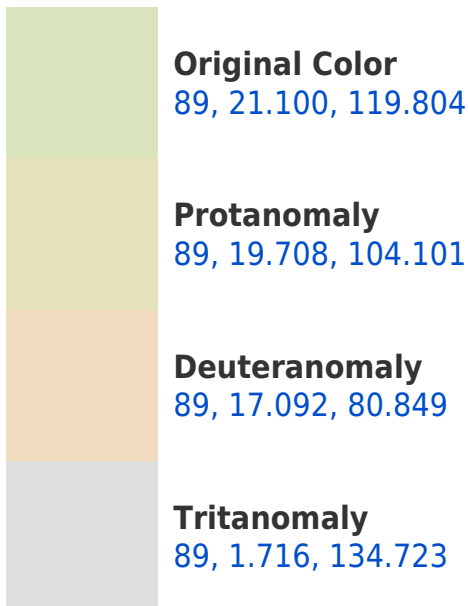
Protanopia
89, 19.803, 93.965

Deuteranopia
89, 19.294, 56.263



Tritanopia
89, 9.516, 299.357

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.100, 119.804 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(217, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(217, 228, 188)  
}
```

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(217, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 228, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.100, 119.804 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(217, 228, 188) }
```

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

```
.border{ border-color:rgb(217, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 228, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 228, 188);  
box-shadow:4px 4px 4px 4px rgb(217, 228,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.100, 119.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 228, 188) }
```

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

```
.background{ background-color: rgb(217,  
228, 188) }
```

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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