

Converting Colors

CIELCh(89, 21.166, 108.870)

Have a look what the booklet for
CIELCh(89, 21.166, 108.870)
contains.

CIELCh(89, 21.183, 108.419)	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, 21.183, 108.419)

Conversions

Conversions Part 1

Format	Color
Hex	E2E2B9
RGB	226, 226, 185
RGB Percent	89%, 89%, 73%
CMY	0.1132, 0.1132, 0.2740
CMYK	0.00, 0.00, 0.18, 0.11
HSL	60°, 42%, 81%
HSV	60°, 18%, 89%
XYZ	67.4095, 74.1641, 56.7329
YIQ	221.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

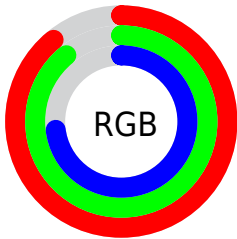
Format	Color
RYB	185, 226, 185
Decimal	14869177
CIELab	89.00, -6.69, 20.10
CIELCh	89, 21.183, 108.419
Yxy	74.1641, 0.3399, 0.3740
Android (android.graphics.Color)	4293059257 (0xFFE2E2B9)
YUV	221.3260, -17.9087, 4.0991
Hunter-Lab	86.1186, -10.9864, 21.2242

Details

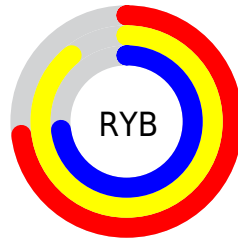
The CIELCh color **89, 21.183, 108.419** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 22.089, 292.205**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **69, 21.195, 109.106** is the 20% darker color. If you saturate the color by 10%, you get **89, 32.701, 107.454**, and if you desaturate by 10%, it is **89, 9.525, 109.393**.

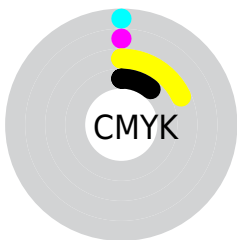
Distribution



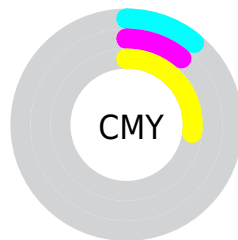
- Red (89%)
- Green (89%)
- Blue (73%)



- Red (73%)
- Yellow (89%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 21.183, 108.419 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, 21.183, 108.419 by changing the saturation by 10% instead.


 89, 21.183,
108.419

 89, 21.183,
108.419


 100, 21.183,
108.419


 79, 21.183,
108.419

 69, 21.183,
108.419

 59, 21.183,
108.419

 49, 21.183,
108.419

 39, 21.183,
108.419

 29, 21.183,
108.419

 19, 21.183,

108.419

■ 9, 21.183, 108.419

■ 0, 21.183, 108.419

■ 89, 21.183,
108.419

■ 89, 21.183,
108.419

■ 89, 32.701,
107.454

■ 89, 9.525, 109.393

■ 88, 43.949,
106.503

■ 90, 2.201, 290.392

■ 88, 54.737,
105.595

■ 91, 13.940,
291.302

■ 88, 64.772,
104.761

■ 91, 14.991,
291.387

■ 88, 73.631,

■ 91, 14.991,
291.390

104.037

91, 14.991,
291.394

87, 80.773,
103.464

91, 14.991,
291.397

87, 85.667,
103.079

91, 14.991,
291.400

87, 88.156,
102.886

91, 14.991,
291.404

87, 88.500,
102.859

Harmonies

Complementary

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



89, 21.183, 108.419



76, 22.089, 292.205

Rectangle

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



89, 21.183, 108.419



89, 21.183, 158.419



89, 21.183, 288.419



89, 21.183, 338.419

Sweetspot

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



89, 21.185, 108.424



100, 6.453, 109.688



79, 15.726, 20.665



53, 4.403, 109.621



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, 21.185, 108.424



99, 28.283, 108.034



88, 22.655, 128.248



47, 6.607, 109.267



70, 73.366, 102.859



19, 27.934, 103.892

Inverse Universe

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



76, 22.089, 292.205



82, 29.788, 292.739



78, 23.224, 309.910



43, 6.754, 291.164



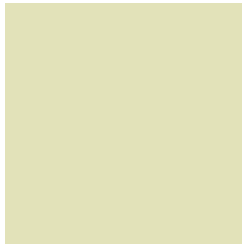
21, 101.304, 306.288



2, 31.634, 295.832

Previews

White Background



This preview shows how the CIELCh color 89, 21.183, 108.419 looks on a white background.

Color Contrast Check

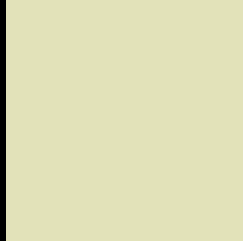
Large Text (above 18pt) WCAG AA × Fail

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, 21.183, 108.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

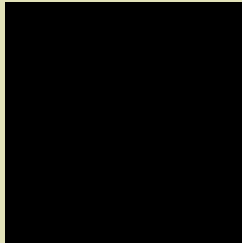
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

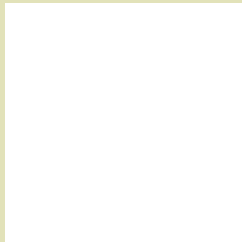
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 21.183, 108.419

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.183, 108.419.



This preview shows how white text looks on a background with the CIELCh color 89, 21.183, 108.419.

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, 21.183, 108.419

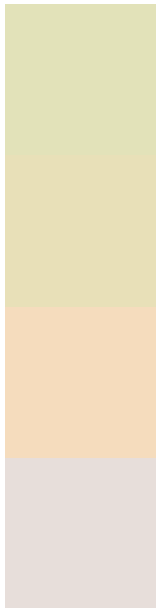
Protanopia
89, 20.807, 94.556

Deuteranopia
89, 20.008, 60.263



Tritanopia
89, 10.202, 319.811

Trichromacy



Original Color
89, 21.183, 108.419

Protanomaly
89, 20.917, 100.000

Deuteranomaly
89, 18.791, 78.018

Tritanomaly
89, 3.858, 51.979

Monochromacy



Original Color
89, 21.183, 108.419

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 7.788, 109.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.183, 108.419 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(226, 226, 185)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 185)  
}
```

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(226, 226, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.183, 108.419 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(226, 226, 185) }
```

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

```
.border{ border-color:rgb(226, 226, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 185);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.183, 108.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 185) }
```

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

```
.background{ background-color: rgb(226,  
226, 185) }
```

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