

Converting Colors

CIELCh(89, 11.996, 109.167)

Have a look what the booklet for
CIELCh(89, 11.996, 109.167)
contains.

CIELCh(89, 11.918, 109.187)	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, 11.918, 109.187)

Conversions

Conversions Part 1

Format	Color
Hex	E1E1CA
RGB	225, 225, 202
RGB Percent	88%, 88%, 79%
CMY	0.1174, 0.1174, 0.2076
CMYK	0.00, 0.00, 0.10, 0.12
HSL	60°, 28%, 84%
HSV	60°, 10%, 88%
XYZ	68.6764, 74.1641, 66.6068
YIQ	222.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

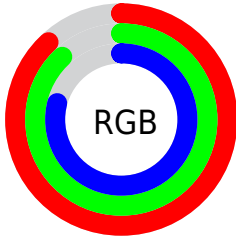
Format	Color
R_{YB}	202, 225, 202
Decimal	14803402
CIE _{Lab}	89.00, -3.92, 11.26
CIE _{LCh}	89, 11.918, 109.187
Yxy	74.1641, 0.3279, 0.3541
Android (android.graphics.Color)	4292993482 (0xFFE1E1CA)
YUV	222.3780, -10.0464, 2.2995
Hunter-Lab	86.1186, -8.3604, 14.4263

Details

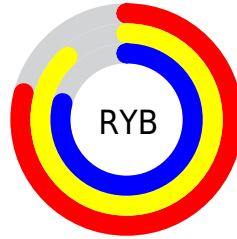
The CIELCh color **89, 11.918, 109.187** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 12.206, 291.253**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 12.006, 108.948** is the 20% darker color. If you saturate the color by 10%, you get **89, 23.513, 108.224**, and if you desaturate by 10%, it is **90, 0.248, 109.882**.

Distribution



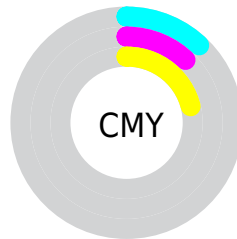
- Red (88%)
- Green (88%)
- Blue (79%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 11.918, 109.187 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, 11.918, 109.187 by changing the saturation by 10% instead.


 89, 11.918,
109.187


 89, 11.918,
109.187


 100, 11.918,
109.187


 79, 11.918,
109.187

 69, 11.918,
109.187

 59, 11.918,
109.187

 49, 11.918,
109.187

 39, 11.918,
109.187

 29, 11.918,
109.187

 19, 11.918,

109.187

■ 9, 11.918, 109.187

■ 0, 11.918, 109.187

■ 89, 11.918,
109.187

■ 89, 11.918,
109.187

■ 89, 23.513,
108.224

■ 90, 0.248, 109.882

■ 88, 34.941,
107.257

■ 90, 11.445,
291.112

■ 88, 46.069,
106.313

■ 90, 15.564,
291.439

■ 88, 56.687,
105.418

■ 90, 15.564,
291.444

■ 87, 66.480,

■ 90, 15.564,
291.449

104.604

90, 15.564,
291.454

87, 74.997,
103.908

90, 15.564,
291.459

87, 81.688,
103.372

90, 15.564,
291.465

87, 86.055,
103.028

90, 15.564,
291.470

87, 88.182,
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, 11.918, 109.187



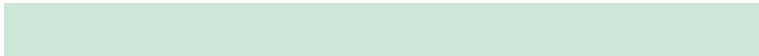
82, 12.206, 291.253

Rectangle

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



89, 11.918, 109.187



89, 11.918, 159.187



89, 11.918, 289.187



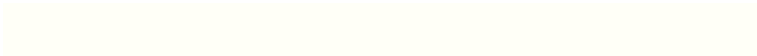
89, 11.918, 339.187

Sweetspot

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



89, 11.920, 109.195



100, 3.868, 109.876



83, 8.558, 19.995



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, 11.920, 109.195



99, 15.481, 109.015



88, 12.710, 128.625



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.



82, 12.206, 291.253



90, 15.916, 291.466



83, 12.897, 309.519



43, 6.754, 291.166



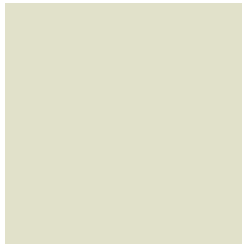
21, 101.304, 306.288



2, 31.634, 295.833

Previews

White Background



This preview shows how the CIELCh color 89, 11.918, 109.187 looks on a white background.

Color Contrast Check

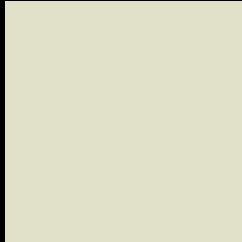
Large Text (above 18pt) WCAG AA × Fail

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, 11.918, 109.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

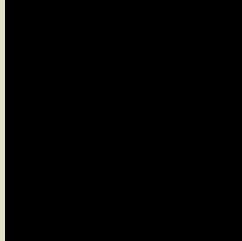
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

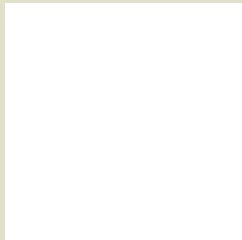
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.918, 109.187

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.918, 109.187.

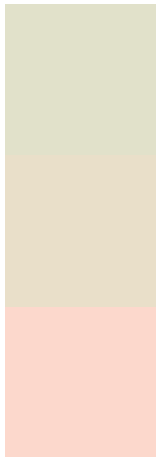


This preview shows how white text looks on a background with the CIELCh color 89, 11.918, 109.187.

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

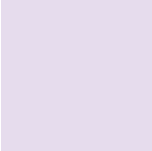
89, 11.918, 109.187

Protanopia

89, 11.997, 91.027

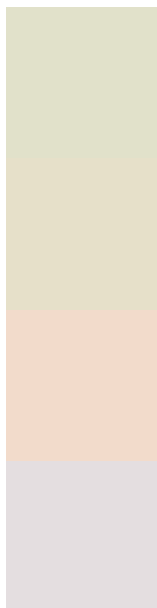
Deuteranopia

89, 15.000, 44.631



Tritanopia
89, 9.583, 312.374

Trichromacy



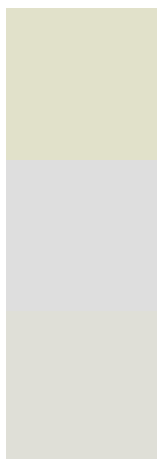
Original Color
89, 11.918, 109.187

Protanomaly
89, 12.120, 98.523

Deuteranomaly
89, 12.006, 63.398

Tritanomaly
89, 2.407, 353.718

Monochromacy



Original Color
89, 11.918, 109.187

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 4.151, 109.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.918, 109.187 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.918, 109.187 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, 202) }
```

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

```
.border{ border-color:rgb(225, 225, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 202);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.918, 109.187 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, 202) }
```

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

```
.background{ background-color: rgb(225,  
225, 202) }
```

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