

Converting Colors

CIELCh(91, 12.660, 108.201)

Have a look what the booklet for
CIELCh(91, 12.660, 108.201)
contains.

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Color

CIELCh(91, 12.889, 109.128)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7CE
RGB	231, 231, 206
RGB Percent	91%, 91%, 81%
CMY	0.0947, 0.0947, 0.1927
CMYK	0.00, 0.00, 0.11, 0.09
HSL	60°, 34%, 86%
HSV	60°, 11%, 91%
XYZ	72.5654, 78.4833, 69.6252
YIQ	228.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

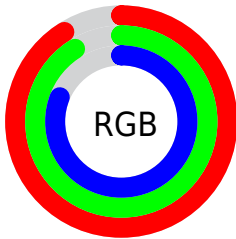
Format	Color
R _Y B	206, 231, 206
Decimal	15198158
CIE Lab	91.00, -4.22, 12.18
CIE LCh	91, 12.889, 109.128
Yxy	78.4833, 0.3288, 0.3557
Android (android.graphics.Color)	4293388238 (0xFFE7E7CE)
YUV	228.1500, -10.9200, 2.4994
Hunter-Lab	88.5908, -8.8232, 15.4164

Details

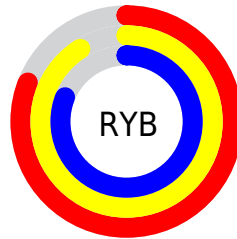
The CIELCh color **91, 12.889, 109.128** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 13.218, 291.325**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 12.484, 108.926** is the 20% darker color. If you saturate the color by 10%, you get **91, 24.718, 108.163**, and if you desaturate by 10%, it is **92, 0.979, 110.034**.

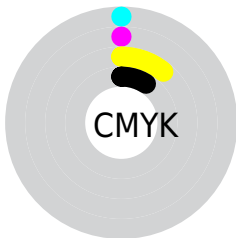
Distribution



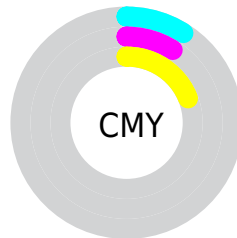
- Red (91%)
- Green (91%)
- Blue (81%)



- Red (81%)
- Yellow (91%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (9%)
- Magenta (9%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.889, 109.128 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 91, 12.889, 109.128 by changing the saturation by 10% instead.


 91, 12.889,
109.128


 91, 12.889,
109.128


 100, 12.889,
109.128


 81, 12.889,
109.128


 71, 12.889,
109.128

 61, 12.889,
109.128

 51, 12.889,
109.128

 41, 12.889,
109.128

 31, 12.889,
109.128

 21, 12.889,

109.128

■ 11, 12.889,
109.128

■ 1, 12.889, 109.128

■ 91, 12.889,
109.128

■ 91, 12.889,
109.128

■ 91, 24.718,
108.163

■ 92, 0.979, 110.034

■ 90, 36.369,
107.195

■ 92, 10.958,
291.058

■ 90, 47.703,
106.252

■ 92, 12.494,
291.183

■ 90, 58.497,
105.360

■ 92, 12.494,
291.191

■ 92, 12.494,

■ 89, 68.421,
104.552

291.198

■ 89, 77.003,
103.865

■ 92, 12.494,
291.205

■ 89, 83.677,
103.342

■ 92, 12.494,
291.213

■ 89, 87.949,
103.012

■ 92, 12.494,
291.220

■ 89, 89.889,
102.865

■ 92, 12.494,
291.227

Harmonies

Complementary

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



91, 12.889, 109.128



83, 13.218, 291.325

Rectangle

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



91, 12.889, 109.128



91, 12.889, 159.128



91, 12.889, 289.128



91, 12.889, 339.128

Sweetspot

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



91, 12.891, 109.136



100, 3.868, 109.877



85, 9.279, 20.045



53, 2.934, 109.804



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 12.891, 109.136



99, 16.767, 108.918



90, 13.748, 128.595



48, 6.730, 109.269



71, 74.153, 102.864



20, 29.318, 103.667

Inverse Universe

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



83, 13.218, 291.325



89, 17.277, 291.585



84, 13.961, 309.549



44, 6.881, 291.170



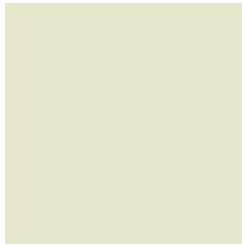
21, 102.390, 306.288



2, 33.678, 296.781

Previews

White Background



This preview shows how the CIELCh color 91, 12.889, 109.128 looks on a white background.

Color Contrast Check

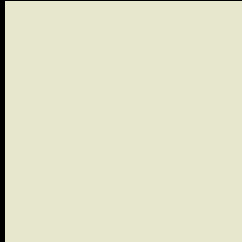
Large Text (above 18pt) WCAG AA × Fail

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 91, 12.889, 109.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

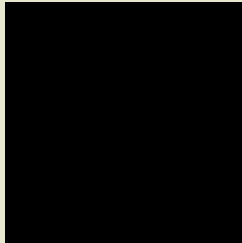
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

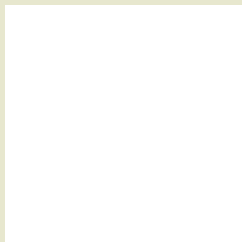
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 12.889, 109.128

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.889, 109.128.

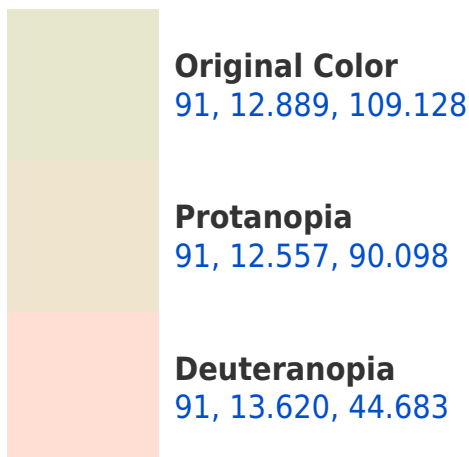


This preview shows how white text looks on a background with the CIELCh color 91, 12.889, 109.128.

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](#).

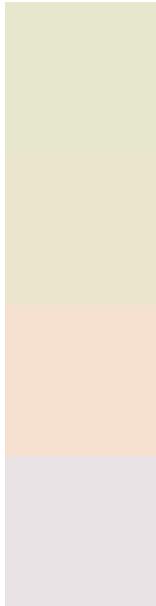
Dichromacy





Tritanopia
91, 10.156, 313.145

Trichromacy



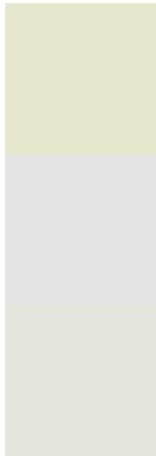
Original Color
91, 12.889, 109.128

Protanomaly
91, 12.647, 97.258

Deuteranomaly
91, 11.398, 66.056

Tritanomaly
91, 2.725, 357.035

Monochromacy



Original Color
91, 12.889, 109.128

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 4.647, 109.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.889, 109.128 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(231, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 206)  
}
```

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(231, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.889, 109.128 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(231, 231, 206) }
```

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

```
.border{ border-color:rgb(231, 231, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.889, 109.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 206) }
```

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

```
.background{ background-color: rgb(231,  
231, 206) }
```

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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