

Converting Colors

CIELCh(90, 13.239, 114.103)

Have a look what the booklet for
CIELCh(90, 13.239, 114.103)
contains.

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Color

CIELCh(90, 13.484, 113.810)

Conversions

Conversions Part 1

Format	Color
Hex	E2E5CB
RGB	226, 229, 203
RGB Percent	89%, 90%, 80%
CMY	0.1148, 0.1031, 0.2050
CMYK	0.01, 0.00, 0.11, 0.10
HSL	67°, 33%, 85%
HSV	67°, 11%, 90%
XYZ	69.9626, 76.3034, 67.3673
YIQ	225.1390, 6.5580, -8.7220

Conversions

Conversions Part 2

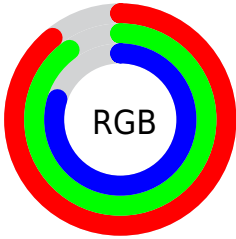
Format	Color
R _Y B	203, 229, 206
Decimal	14869963
CIE Lab	90.00, -5.44, 12.34
CIE LCh	90, 13.484, 113.810
Yxy	76.3034, 0.3275, 0.3572
Android (android.graphics.Color)	4293060043 (0xFFE2E5CB)
YUV	225.1390, -10.9145, 0.7551
Hunter-Lab	87.3518, -9.8997, 15.4207

Details

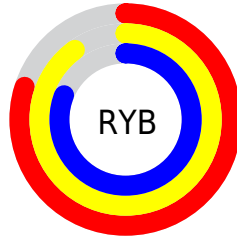
The CIELCh color **90, 13.484, 113.810** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 13.838, 295.685**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 13.644, 113.779** is the 20% darker color. If you saturate the color by 10%, you get **89, 25.271, 113.014**, and if you desaturate by 10%, it is **91, 1.615, 114.595**.

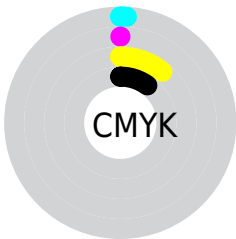
Distribution



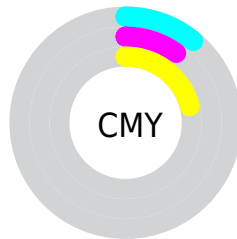
- Red (89%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (11%)
- Magenta (10%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 13.484, 113.810 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 90, 13.484, 113.810 by changing the saturation by 10% instead.


 90, 13.484,
113.810


 90, 13.484,
113.810


 100, 13.484,
113.810


 80, 13.484,
113.810


 70, 13.484,
113.810

 60, 13.484,
113.810

 50, 13.484,
113.810

 40, 13.484,
113.810

 30, 13.484,
113.810

 20, 13.484,

113.810

■ 10, 13.484,
113.810

■ 0, 13.484, 113.810

■ 90, 13.484,
113.810

■ 90, 13.484,
113.810

■ 89, 25.271,
113.014

■ 91, 1.615, 114.595

■ 89, 36.875,
112.216

■ 92, 10.281,
295.380

■ 88, 48.155,
111.447

■ 92, 13.747,
298.273

■ 88, 58.893,
110.739

■ 92, 13.896,
301.982

■ 92, 14.101,

■ 87, 68.759,
110.139

305.616

■ 87, 77.291,
109.709

■ 93, 14.360,
309.152

■ 87, 83.931,
109.521

■ 93, 14.671,
312.567

■ 86, 88.195,
109.641

■ 93, 15.032,
315.847

■ 86, 90.120,
109.979

■ 93, 15.440,
318.978

Harmonies

Complementary

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



90, 13.484, 113.810



83, 13.838, 295.685

Rectangle

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



90, 13.484, 113.810



90, 13.484, 163.810



90, 13.484, 293.810



90, 13.484, 343.810

Sweetspot

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



90, 13.486, 113.816



100, 3.885, 114.474



84, 8.824, 28.851



53, 2.946, 114.412



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

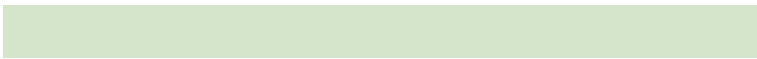
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 13.486, 113.816



99, 18.132, 113.599



89, 14.684, 132.009



48, 6.759, 113.968



69, 74.845, 109.868



20, 29.471, 110.048

Inverse Universe

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



83, 13.838, 295.685



89, 18.714, 295.943



84, 14.869, 312.953



44, 6.908, 295.511



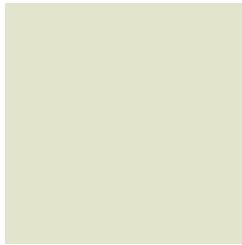
22, 101.708, 306.702



3, 33.902, 299.536

Previews

White Background



This preview shows how the CIELCh color 90, 13.484, 113.810 looks on a white background.

Color Contrast Check

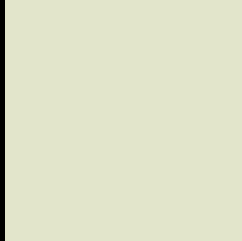
Large Text (above 18pt) WCAG AA × Fail

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 90, 13.484, 113.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

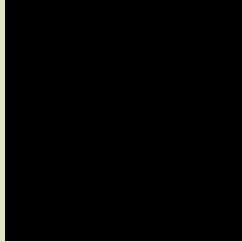
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

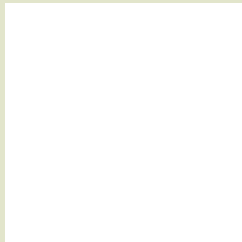
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.484, 113.810

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.484, 113.810.



This preview shows how white text looks on a background with the CIELCh color 90, 13.484, 113.810.

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](#).

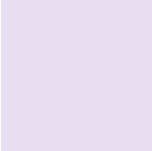
Dichromacy



Original Color
90, 13.484, 113.810

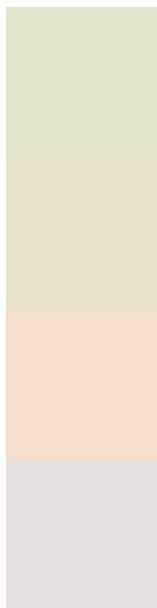
Protanopia
90, 13.454, 92.912

Deuteranopia
90, 15.322, 44.057



Tritanopia
90, 9.816, 307.447

Trichromacy



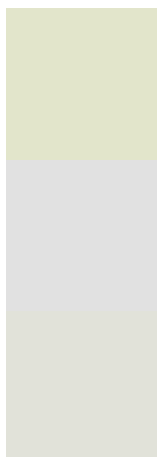
Original Color
90, 13.484, 113.810

Protanomaly
90, 13.050, 100.885

Deuteranomaly
90, 12.082, 66.349

Tritanomaly
90, 1.784, 343.542

Monochromacy



Original Color
90, 13.484, 113.810

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.677, 114.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.484, 113.810 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, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(226, 229, 203)  
}
```

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, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 229, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.484, 113.810 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, 229, 203) }
```

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

```
.border{ border-color:rgb(226, 229, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 229, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(226, 229,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.484, 113.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 229, 203) }
```

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

```
.background{ background-color: rgb(226,  
229, 203) }
```

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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