

Converting Colors

CIELCh(90, 13.988, 110.403)

Have a look what the booklet for
CIELCh(90, 13.988, 110.403)
contains.

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Color

CIELCh(90, 13.961, 110.559)

Conversions

Conversions Part 1

Format	Color
Hex	E3E4C9
RGB	227, 228, 201
RGB Percent	89%, 89%, 79%
CMY	0.1084, 0.1045, 0.2104
CMYK	0.00, 0.00, 0.12, 0.10
HSL	62°, 34%, 84%
HSV	62°, 12%, 90%
XYZ	70.2144, 76.3034, 66.4988
YIQ	224.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

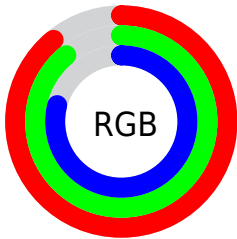
Format	Color
RYB	201, 228, 202
Decimal	14935241
CIELab	90.00, -4.90, 13.07
CIElCh	90, 13.961, 110.559
Yxy	76.3034, 0.3296, 0.3582
Android (android.graphics.Color)	4293125321 (0xFFE3E4C9)
YUV	224.6230, -11.6461, 2.0846
Hunter-Lab	87.3518, -9.3853, 16.0102

Details

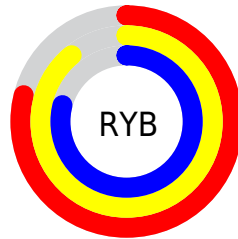
The CIELCh color **90, 13.961, 110.559** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 14.348, 292.814**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.145, 110.352** is the 20% darker color. If you saturate the color by 10%, you get **89, 25.680, 109.650**, and if you desaturate by 10%, it is **91, 2.154, 111.452**.

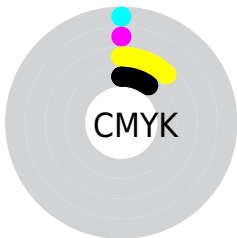
Distribution



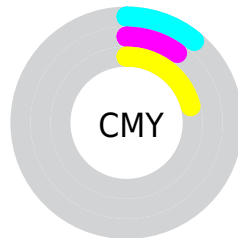
- Red (89%)
- Green (89%)
- Blue (79%)



- Red (79%)
- Yellow (89%)
- Blue (79%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 13.961, 110.559 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, 13.961, 110.559 by changing the saturation by 10% instead.


 90, 13.961,
110.559


 90, 13.961,
110.559


 100, 13.961,
110.559


 80, 13.961,
110.559


 70, 13.961,
110.559

 60, 13.961,
110.559

 50, 13.961,
110.559

 40, 13.961,
110.559

 30, 13.961,
110.559

 20, 13.961,

110.559

■ 10, 13.961,
110.559

■ 0, 13.961, 110.559

■ 90, 13.961,
110.559

■ 90, 13.961,
110.559

■ 89, 25.680,
109.650

■ 91, 2.154, 111.452

■ 89, 37.209,
108.740

■ 91, 9.686, 292.371

■ 89, 48.404,
107.859

■ 92, 13.832,
293.449

■ 88, 59.040,
107.034

■ 92, 13.850,
294.642

■ 92, 13.873,
295.834

■ 88, 68.777,
106.304

■ 92, 13.903,
297.023

■ 88, 77.140,
105.715

■ 92, 13.938,
298.209

■ 88, 83.565,
105.319

■ 92, 13.980,
299.390

■ 88, 87.583,
105.158

■ 92, 14.026,
300.566

■ 87, 89.258,
105.182

Harmonies

Complementary

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



90, 13.961, 110.559



82, 14.348, 292.814

Rectangle

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



90, 13.961, 110.559



90, 13.961, 160.559



90, 13.961, 290.559



90, 13.961, 340.559

Sweetspot

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



90, 13.963, 110.566



100, 5.164, 111.268



84, 9.761, 22.859



53, 3.671, 111.202



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, 13.963, 110.566



99, 18.063, 110.360



89, 15.007, 129.716



48, 6.734, 110.781



70, 74.237, 105.145



20, 29.322, 105.735

Inverse Universe

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



82, 14.348, 292.814



89, 18.656, 293.062



83, 15.239, 310.737



44, 6.885, 292.562



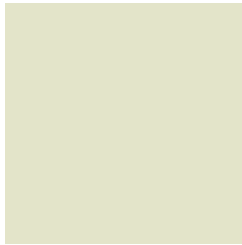
21, 102.199, 306.401



2, 33.741, 297.668

Previews

White Background



This preview shows how the CIELCh color 90, 13.961, 110.559 looks on a white background.

Color Contrast Check

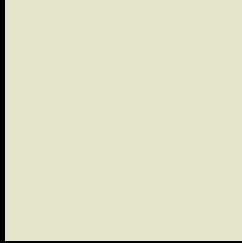
Large Text (above 18pt) WCAG AA × Fail

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, 13.961, 110.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

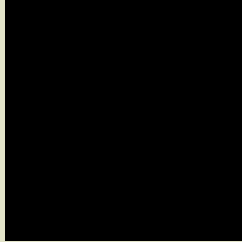
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

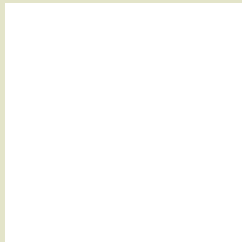
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.961, 110.559

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.961, 110.559.

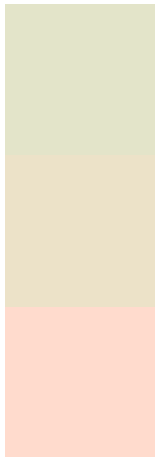


This preview shows how white text looks on a background with the CIELCh color 90, 13.961, 110.559.

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](#).

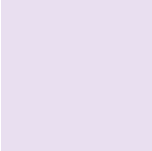
Dichromacy



Original Color
90, 13.961, 110.559

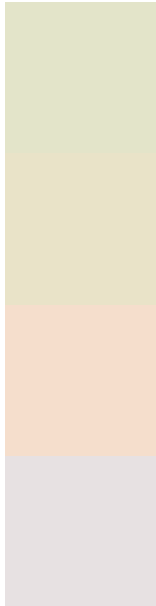
Protanopia
90, 13.953, 93.438

Deuteranopia
90, 15.463, 47.998



Tritanopia
90, 9.559, 312.370

Trichromacy



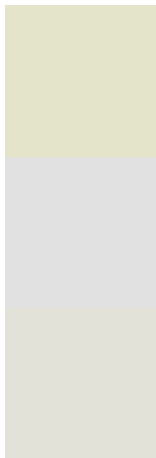
Original Color
90, 13.961, 110.559

Protanomaly
90, 14.127, 99.863

Deuteranomaly
90, 12.734, 66.620

Tritanomaly
90, 2.222, 5.793

Monochromacy



Original Color
90, 13.961, 110.559

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.177, 109.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.961, 110.559 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(227, 228, 201)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 201)  
}
```

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(227, 228, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.961, 110.559 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(227, 228, 201) }
```

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

```
.border{ border-color:rgb(227, 228, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 201);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.961, 110.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 201) }
```

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

```
.background{ background-color: rgb(227,  
228, 201) }
```

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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