

Converting Colors

CIELCh(90, 34.440, 109.847)

Have a look what the booklet for
CIELCh(90, 34.440, 109.847)
contains.

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Color

CIElCh(90, 34.322, 109.978)

Conversions

Conversions Part 1

Format	Color
Hex	E3E7A4
RGB	227, 231, 164
RGB Percent	89%, 91%, 64%
CMY	0.1091, 0.0934, 0.3562
CMYK	0.02, 0.00, 0.29, 0.09
HSL	64°, 58%, 78%
HSV	64°, 29%, 91%
XYZ	67.0821, 76.3034, 46.3977
YIQ	222.1660, 19.1230, -21.6850

Conversions

Conversions Part 2

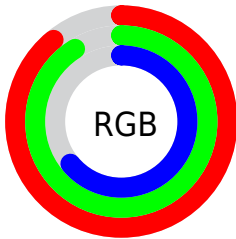
Format	Color
RYB	164, 231, 168
Decimal	14935972
CIELab	90.00, -11.73, 32.26
CIElCh	90, 34.322, 109.978
Yxy	76.3034, 0.3535, 0.4021
Android (android.graphics.Color)	4293126052 (0xFFE3E7A4)
YUV	222.1660, -28.6758, 4.2394
Hunter-Lab	87.3518, -15.7860, 29.6538

Details

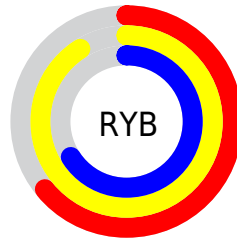
The CIELCh color **90, 34.322, 109.978** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 36.815, 295.706**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **70, 34.334, 110.218** is the 20% darker color. If you saturate the color by 10%, you get **90, 45.755, 109.122**, and if you desaturate by 10%, it is **91, 22.604, 110.862**.

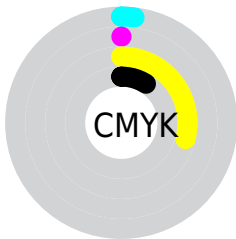
Distribution



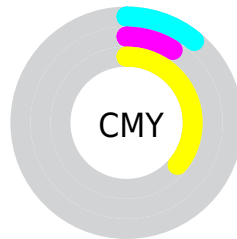
- Red (89%)
- Green (91%)
- Blue (64%)



- Red (64%)
- Yellow (91%)
- Blue (66%)



- Cyan (2%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (11%)
- Magenta (9%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 34.322, 109.978 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, 34.322, 109.978 by changing the saturation by 10% instead.


 90, 34.322,
109.978


 90, 34.322,
109.978


 100, 34.322,
109.978


 80, 34.322,
109.978

 70, 34.322,
109.978

 60, 34.322,
109.978

 50, 34.322,
109.978

 40, 34.322,
109.978

 30, 34.322,
109.978

 20, 34.322,

109.978

■ 10, 34.322,
109.978

■ 0, 34.322, 109.978

■ 90, 34.322,
109.978

■ 90, 34.322,
109.978

■ 90, 45.755,
109.122

■ 91, 22.604,
110.862

■ 89, 56.694,
108.312

■ 91, 10.726,
111.742

■ 89, 66.837,
107.590

■ 92, 1.224, 292.654

■ 89, 75.743,
107.003

■ 92, 12.338,
293.561

■ 93, 12.373,

■ 88, 82.856,
106.609

295.743

■ 88, 87.646,
106.461

■ 93, 12.425,
297.915

■ 88, 90.047,
106.568

■ 93, 12.495,
300.072

■ 88, 90.237,
106.584

■ 93, 12.582,
302.207

■ 93, 12.686,
304.316

Harmonies

Complementary

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



90, 34.322, 109.978



70, 36.815, 295.706

Rectangle

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



90, 34.322, 109.978



90, 34.322, 159.978



90, 34.322, 289.978



90, 34.322, 339.978

Sweetspot

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



90, 34.324, 109.981



99, 11.632, 111.737



75, 25.493, 25.612



53, 8.081, 111.609



0, 0.000, 0.000



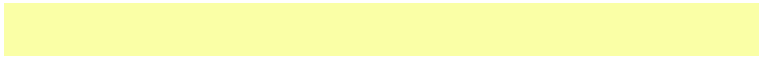
53, 0.007, 296.813

Same Dimension

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



90, 34.324, 109.981



98, 44.648, 109.444



88, 37.281, 129.469



48, 6.739, 111.702



70, 74.353, 106.523



20, 29.345, 106.989

Inverse Universe

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



70, 36.815, 295.706



72, 48.765, 296.591



73, 38.641, 312.133



44, 6.890, 293.411



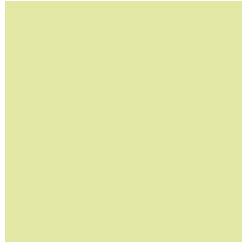
21, 102.084, 306.471



2, 33.784, 298.207

Previews

White Background



This preview shows how the CIELCh color 90, 34.322, 109.978 looks on a white background.

Color Contrast Check

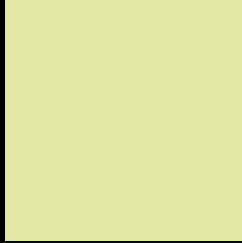
Large Text (above 18pt) WCAG AA × Fail

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 90, 34.322, 109.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

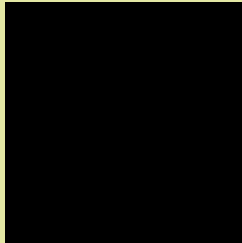
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 34.322, 109.978

Background



This preview shows how black text looks on a background with the CIELCh color 90, 34.322, 109.978.

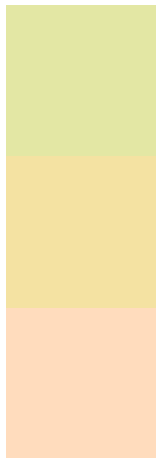


This preview shows how white text looks on a background with the CIELCh color 90, 34.322, 109.978.

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, 34.322, 109.978

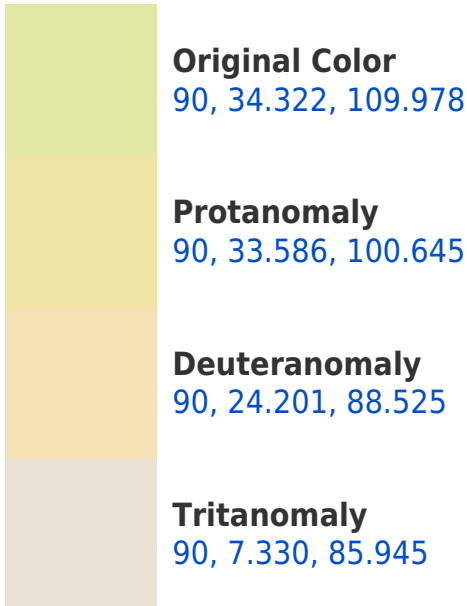
Protanopia
90, 33.695, 95.159

Deuteranopia
90, 21.127, 68.949



Tritanopia
90, 10.354, 321.529

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 34.322, 109.978 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, 231, 164)` looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 164)  
}
```

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, 231, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 34.322, 109.978 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, 231, 164) }
```

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

```
.border{ border-color:rgb(227, 231, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 231, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 231, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 231, 164);  
box-shadow:4px 4px 4px 4px rgb(227, 231,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 34.322, 109.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 231, 164) }
```

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

```
.background{ background-color: rgb(227,  
231, 164) }
```

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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