

Converting Colors

CIELCh(90, 30.630, 108.407)

Have a look what the booklet for
CIELCh(90, 30.630, 108.407)
contains.

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Color

CIELCh(90, 30.784, 108.369)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6AA
RGB	229, 230, 170
RGB Percent	90%, 90%, 67%
CMY	0.1012, 0.0972, 0.3326
CMYK	0.00, 0.00, 0.26, 0.10
HSL	61°, 55%, 79%
HSV	61°, 26%, 90%
XYZ	68.0018, 76.3034, 49.2676
YIQ	222.8610, 18.6640, -18.8720

Conversions

Conversions Part 2

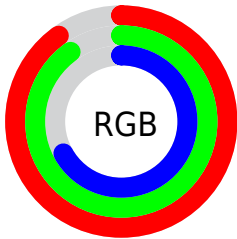
Format	Color
RYB	170, 230, 171
Decimal	15066794
CIELab	90.00, -9.70, 29.22
CIElCh	90, 30.784, 108.369
Yxy	76.3034, 0.3513, 0.3942
Android (android.graphics.Color)	4293256874 (0xFFE5E6AA)
YUV	222.8610, -26.0605, 5.3839
Hunter-Lab	87.3518, -13.9066, 27.7059

Details

The CIELCh color **90, 30.784, 108.369** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 32.766, 293.860**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **70, 31.185, 108.554** is the 20% darker color. If you saturate the color by 10%, you get **90, 42.266, 107.441**, and if you desaturate by 10%, it is **90, 19.063, 109.320**.

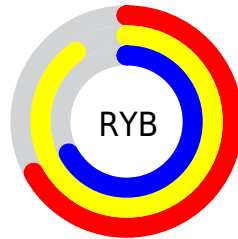
Distribution



Red (90%)

Green (90%)

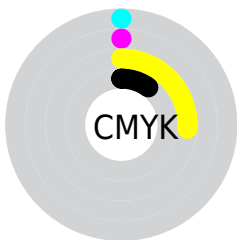
Blue (67%)



Red (67%)

Yellow (90%)

Blue (67%)

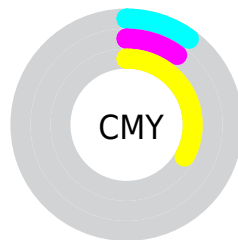


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (10%)



Cyan (10%)


Magenta (10%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 30.784, 108.369 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, 30.784, 108.369 by changing the saturation by 10% instead.


 90, 30.784,
108.369


 90, 30.784,
108.369


 100, 30.784,
108.369


 80, 30.784,
108.369

 70, 30.784,
108.369

 60, 30.784,
108.369

 50, 30.784,
108.369

 40, 30.784,
108.369

 30, 30.784,
108.369

 20, 30.784,

108.369

■ 10, 30.784,
108.369

■ 0, 30.784, 108.369

■ 90, 30.784,
108.369

■ 90, 30.784,
108.369

■ 90, 42.266,
107.441

■ 90, 19.063,
109.320

■ 89, 53.325,
106.547

■ 91, 7.212, 110.260

■ 89, 63.690,
105.722

■ 92, 4.693, 291.213

■ 89, 72.959,
105.005

■ 92, 12.844,
292.011

■ 92, 12.849,
292.594

■ 89, 80.603,
104.441

■ 92, 12.854,
293.177

■ 89, 86.060,
104.073

■ 92, 12.861,
293.761

■ 88, 89.004,
103.924

■ 92, 12.870,
294.343

■ 88, 89.722,
103.903

■ 92, 12.879,
294.926

Harmonies

Complementary

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



90, 30.784, 108.369



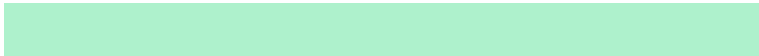
72, 32.766, 293.860

Rectangle

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



90, 30.784, 108.369



90, 30.784, 158.369



90, 30.784, 288.369



90, 30.784, 338.369

Sweetspot

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



90, 30.786, 108.373



99, 10.328, 110.077



75, 23.287, 22.718



53, 7.339, 109.935



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, 30.786, 108.373



98, 39.637, 107.894



88, 33.149, 128.450



48, 6.731, 109.945



70, 74.173, 103.885



20, 29.314, 104.592

Inverse Universe

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



72, 32.766, 293.860



75, 42.798, 294.617



74, 34.324, 310.881



44, 6.882, 291.791



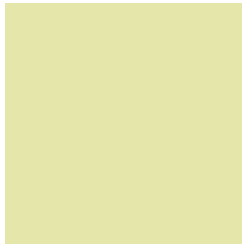
21, 102.305, 306.339



2, 33.705, 297.177

Previews

White Background



This preview shows how the CIELCh color 90, 30.784, 108.369 looks on a white background.

Color Contrast Check

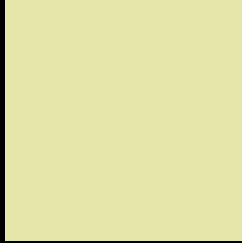
Large Text (above 18pt) WCAG AA × Fail

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, 30.784, 108.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

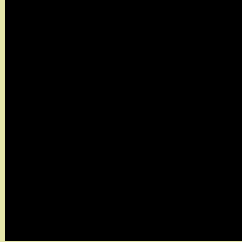
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 30.784, 108.369

Background



This preview shows how black text looks on a background with the CIELCh color 90, 30.784, 108.369.

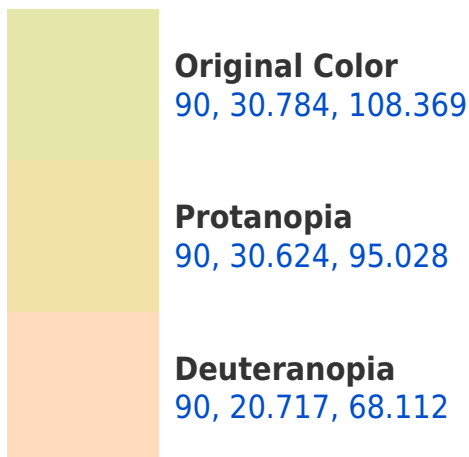


This preview shows how white text looks on a background with the CIELCh color 90, 30.784, 108.369.

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](#).

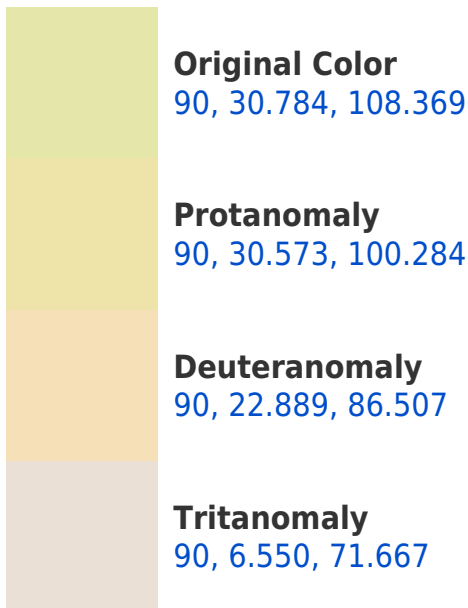
Dichromacy





Tritanopia
90, 11.175, 323.310

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 30.784, 108.369 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(229, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 170)  
}
```

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(229, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 30.784, 108.369 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(229, 230, 170) }
```

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

```
.border{ border-color:rgb(229, 230, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 30.784, 108.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 170) }
```

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

```
.background{ background-color: rgb(229,  
230, 170) }
```

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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