

Converting Colors

CIELCh(90, 28.254, 108.640)

Have a look what the booklet for
CIELCh(90, 28.254, 108.640)
contains.

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Color

CIELCh(90, 28.254, 108.640)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6AF
RGB	229, 230, 175
RGB Percent	90%, 90%, 69%
CMY	0.1022, 0.0982, 0.3139
CMYK	0.00, 0.00, 0.24, 0.10
HSL	61°, 52%, 79%
HSV	61°, 24%, 90%
XYZ	68.3082, 76.3034, 51.6574
YIQ	223.4310, 17.0590, -17.3170

Conversions

Conversions Part 2

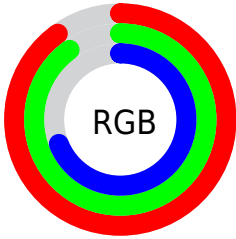
Format	Color
RYB	175, 230, 176
Decimal	15066799
CIELab	90.00, -9.03, 26.77
CIELCh	90, 28.254, 108.640
Yxy	76.3034, 0.3480, 0.3888
Android (android.graphics.Color)	4293256879 (0xFFE5E6AF)
YUV	223.4310, -23.8765, 4.8840
Hunter-Lab	87.3518, -13.2805, 26.0838

Details

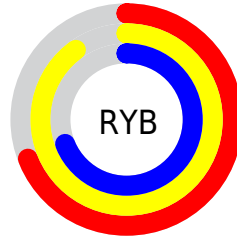
The CIELCh color **90, 28.254, 108.640** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73, 29.900, 293.614**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **70, 28.561, 108.951** is the 20% darker color. If you saturate the color by 10%, you get **90, 39.791, 107.709**, and if you desaturate by 10%, it is **90, 16.508, 109.589**.

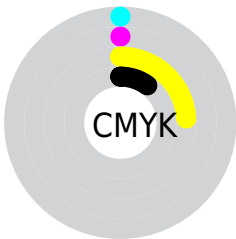
Distribution



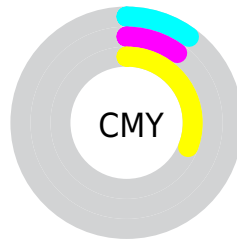
- Red (90%)
- Green (90%)
- Blue (69%)



- Red (69%)
- Yellow (90%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)





- Cyan (10%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 28.254, 108.640 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, 28.254, 108.640 by changing the saturation by 10% instead.


 90, 28.254,
108.640


 90, 28.254,
108.640


 100, 28.254,
108.640


 80, 28.254,
108.640

 70, 28.254,
108.640

 60, 28.254,
108.640

 50, 28.254,
108.640

 40, 28.254,
108.640

 30, 28.254,
108.640

 20, 28.254,

108.640

■ 10, 28.254,
108.640

■ 0, 28.254, 108.640

■ 90, 28.254,
108.640

■ 90, 28.254,
108.640

■ 90, 39.791,
107.709

■ 90, 16.508,
109.589

■ 89, 50.950,
106.807

■ 91, 4.650, 110.520

■ 89, 61.484,
105.968

■ 92, 7.249, 291.466

■ 89, 71.022,
105.227

■ 92, 12.980,
292.224

■ 92, 12.985,
292.854

■ 89, 79.058,
104.630

■ 92, 12.992,
293.485

■ 88, 85.023,
104.222

■ 92, 13.000,
294.116

■ 88, 88.509,
104.032

■ 92, 13.010,
294.746

■ 88, 89.651,
104.001

■ 92, 13.022,
295.376

Harmonies

Complementary

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



90, 28.254, 108.640



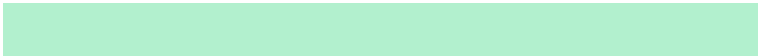
73, 29.900, 293.614

Rectangle

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



90, 28.254, 108.640



90, 28.254, 158.640



90, 28.254, 288.640



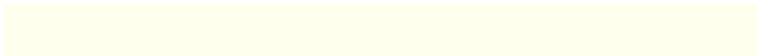
90, 28.254, 338.640

Sweetspot

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



90, 28.256, 108.644



100, 9.038, 110.234



77, 21.168, 22.500



53, 5.872, 110.178



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, 28.256, 108.644



98, 37.135, 108.151



88, 30.400, 128.556



48, 6.731, 110.009



70, 74.177, 103.983



20, 29.315, 104.680

Inverse Universe

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



73, 29.900, 293.614



76, 39.865, 294.363



76, 31.382, 310.770



44, 6.882, 291.851



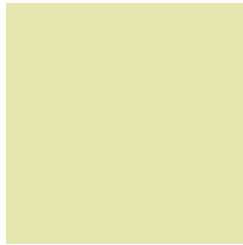
21, 102.297, 306.343



2, 33.708, 297.215

Previews

White Background



This preview shows how the CIE LCh color 90, 28.254, 108.640 looks on a white background.

Color Contrast Check

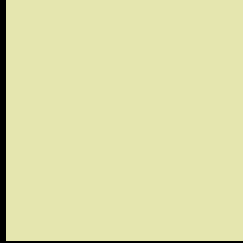
Large Text (above 18pt) WCAG AA × Fail

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, 28.254, 108.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

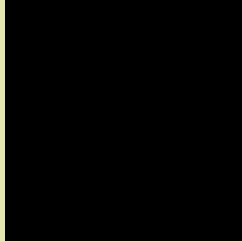
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

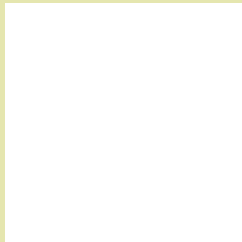
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 28.254, 108.640

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.254, 108.640.



This preview shows how white text looks on a background with the CIELCh color 90, 28.254, 108.640.

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, 28.254, 108.640

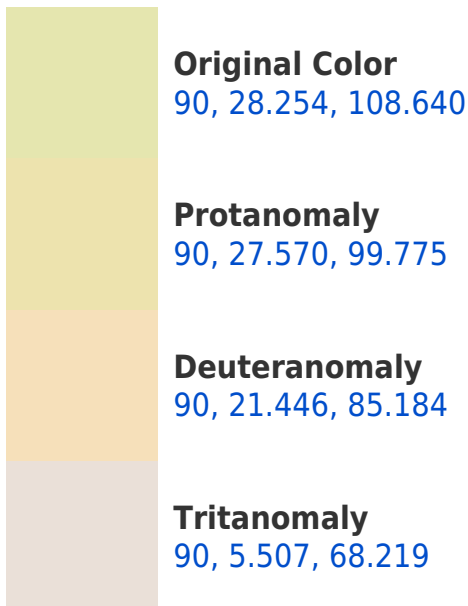
Protanopia
90, 28.039, 94.974

Deuteranopia
90, 19.913, 66.330



Tritanopia
90, 10.988, 321.739

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.254, 108.640 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.254, 108.640 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, 175) }
```

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

```
.border{ border-color:rgb(229, 230, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 175);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.254, 108.640 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, 175) }
```

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

```
.background{ background-color: rgb(229,  
230, 175) }
```

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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