

Converting Colors

CIELCh(89, 28.830, 106.234)

Have a look what the booklet for
CIELCh(89, 28.830, 106.234)
contains.

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Color

CIELCh(89, 28.824, 107.009)

Conversions

Conversions Part 1

Format	Color
Hex	E4E3AB
RGB	228, 227, 171
RGB Percent	89%, 89%, 67%
CMY	0.1070, 0.1109, 0.3305
CMYK	0.00, 0.00, 0.25, 0.11
HSL	59°, 51%, 78%
HSV	59°, 25%, 89%
XYZ	66.6240, 74.1641, 49.1985
YIQ	220.9150, 18.5720, -17.2040

Conversions

Conversions Part 2

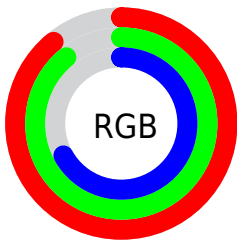
Format	Color
R_{YB}	172, 228, 171
Decimal	15000491
CIE _{Lab}	89.00, -8.43, 27.56
CIE _{LCh}	89, 28.824, 107.009
Y _{xy}	74.1641, 0.3507, 0.3904
Android (android.graphics.Color)	4293190571 (0xFFE4E3AB)
YUV	220.9150, -24.6081, 6.2135
Hunter-Lab	86.1186, -12.6144, 26.4114

Details

The CIELCh color **89, 28.824, 107.009** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 30.528, 292.478**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **69, 29.154, 107.190** is the 20% darker color. If you saturate the color by 10%, you get **89, 40.074, 106.033**, and if you desaturate by 10%, it is **90, 17.371, 108.002**.

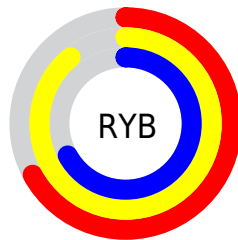
Distribution



Red (89%)

Green (89%)

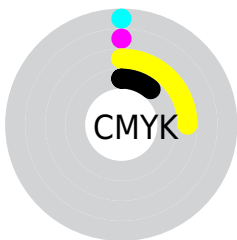
Blue (67%)



Red (67%)

Yellow (89%)

Blue (67%)

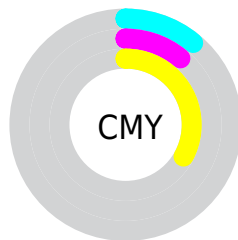


Cyan (0%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 28.824, 107.009 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 89, 28.824, 107.009 by changing the saturation by 10% instead.


 89, 28.824,
107.009

 89, 28.824,
107.009

 100, 28.824,
107.009

 79, 28.824,
107.009

 69, 28.824,
107.009

 59, 28.824,
107.009

 49, 28.824,
107.009

 39, 28.824,
107.009

 29, 28.824,
107.009

 19, 28.824,

107.009

■ 9, 28.824, 107.009

■ 0, 28.824, 107.009

■ 89, 28.824,
107.009

■ 89, 28.824,
107.009

■ 89, 40.074,
106.033

■ 90, 17.371,
108.002

■ 88, 50.952,
105.082

■ 90, 5.813, 108.978

■ 88, 61.204,
104.189

■ 91, 5.782, 289.972

■ 87, 70.451,
103.384

■ 91, 13.837,
290.450

■ 87, 78.176,

■ 91, 13.628,
289.855

102.706

92, 13.420,
289.242

87, 83.800,
102.190

92, 13.214,
288.611

87, 86.931,
101.856

92, 13.010,
287.960

87, 87.807,
101.737

92, 12.807,
287.288

Harmonies

Complementary

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



89, 28.824, 107.009



72, 30.528, 292.478

Rectangle

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



89, 28.824, 107.009



89, 28.824, 157.009



89, 28.824, 287.009



89, 28.824, 337.009

Sweetspot

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



89, 28.826, 107.013



99, 10.149, 108.687



75, 22.336, 18.773



53, 7.212, 108.539



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 28.826, 107.013



98, 37.764, 106.505



87, 31.162, 126.711



48, 6.614, 108.550



70, 73.202, 101.755



20, 28.856, 102.734

Inverse Universe

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



72, 30.528, 292.478



76, 40.554, 293.264



74, 32.346, 309.148



44, 6.758, 290.477



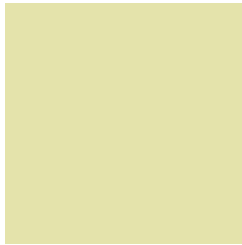
21, 101.578, 306.069



2, 33.268, 296.446

Previews

White Background



This preview shows how the CIELCh color 89, 28.824, 107.009 looks on a white background.

Color Contrast Check

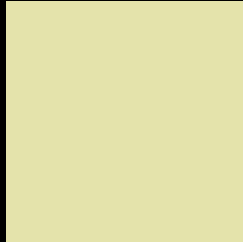
Large Text (above 18pt) WCAG AA × Fail

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 89, 28.824, 107.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

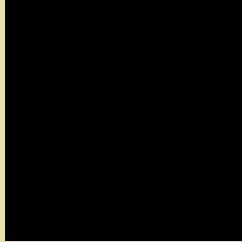
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

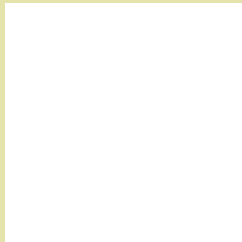
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 28.824, 107.009

Background



This preview shows how black text looks on a background with the CIELCh color 89, 28.824, 107.009.



This preview shows how white text looks on a background with the CIELCh color 89, 28.824, 107.009.

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
89, 28.824, 107.009

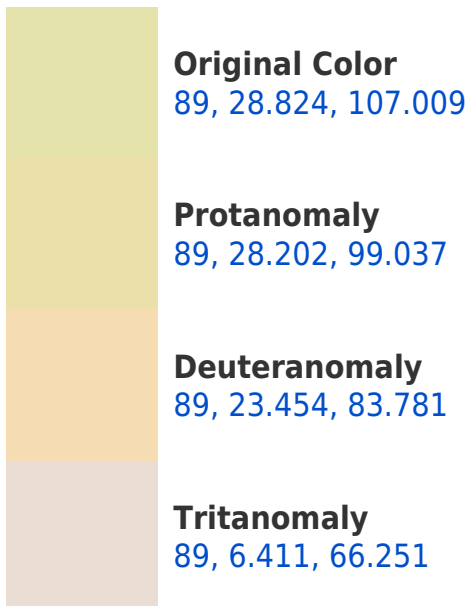
Protanopia
89, 28.609, 95.102

Deuteranopia
89, 22.691, 66.659



Tritanopia
89, 10.975, 326.368

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 28.824, 107.009 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(228, 227, 171)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 171)  
}
```

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(228, 227, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 28.824, 107.009 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(228, 227, 171) }
```

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

```
.border{ border-color:rgb(228, 227, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 171);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 28.824, 107.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 171) }
```

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

```
.background{ background-color: rgb(228,  
227, 171) }
```

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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