

Converting Colors

CIELCh(89, 28.842, 105.459)

Have a look what the booklet for
CIELCh(89, 28.842, 105.459)
contains.

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Color

CIELCh(89, 28.864, 105.448)

Conversions

Conversions Part 1

Format	Color
Hex	E5E2AA
RGB	229, 226, 170
RGB Percent	90%, 89%, 67%
CMY	0.1008, 0.1126, 0.3323
CMYK	0.00, 0.01, 0.26, 0.10
HSL	57°, 53%, 78%
HSV	57°, 26%, 90%
XYZ	66.9591, 74.1641, 48.9507
YIQ	220.5130, 19.7640, -16.7800

Conversions

Conversions Part 2

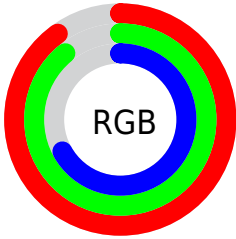
Format	Color
RYB	173, 229, 170
Decimal	15065770
CIELab	89.00, -7.69, 27.82
CIELCh	89, 28.864, 105.448
Yxy	74.1641, 0.3523, 0.3902
Android (android.graphics.Color)	4293255850 (0xFFE5E2AA)
YUV	220.5130, -24.9029, 7.4431
Hunter-Lab	86.1186, -11.9199, 26.5820

Details

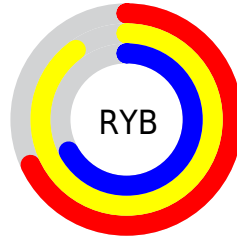
The CIELCh color **89, 28.864, 105.448** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 30.495, 291.243**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **69, 29.193, 105.531** is the 20% darker color. If you saturate the color by 10%, you get **88, 39.849, 104.431**, and if you desaturate by 10%, it is **90, 17.701, 106.476**.

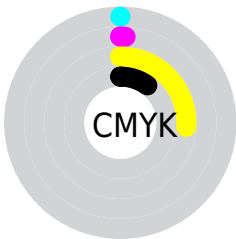
Distribution



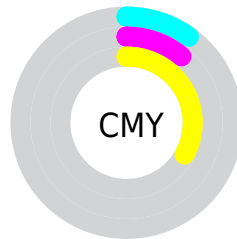
- Red (90%)
- Green (89%)
- Blue (67%)



- Red (68%)
- Yellow (90%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 28.864, 105.448 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, 28.864, 105.448 by changing the saturation by 10% instead.

■ 89, 28.864,
105.448

■ 89, 28.864,
105.448

■ 100, 28.864,
105.448

■ 79, 28.864,
105.448

■ 69, 28.864,
105.448

■ 59, 28.864,
105.448

■ 49, 28.864,
105.448

■ 39, 28.864,
105.448

■ 29, 28.864,
105.448

■ 19, 28.864,

105.448

■ 9, 28.864, 105.448

■ 0, 28.864, 105.448

■ 89, 28.864,
105.448

■ 89, 28.864,
105.448

■ 88, 39.849,
104.431

■ 90, 17.701,
106.476

■ 88, 50.489,
103.432

■ 91, 6.454, 107.482

■ 87, 60.534,
102.478

■ 91, 4.812, 288.509

■ 87, 69.596,
101.597

■ 92, 12.451,
288.570

■ 86, 77.143,

■ 92, 11.857,
286.473

100.821

93, 11.280,
284.163

86, 82.563,
100.175

93, 10.724,
281.614

85, 85.432, 99.670

93, 10.192,
278.798

85, 86.129, 99.482

94, 9.686, 275.686

Harmonies

Complementary

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



89, 28.864, 105.448



72, 30.495, 291.243

Rectangle

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



89, 28.864, 105.448



89, 28.864, 155.448



89, 28.864, 285.448



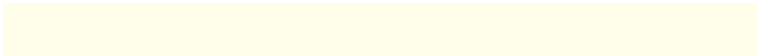
89, 28.864, 335.448

Sweetspot

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



89, 28.866, 105.452



99, 9.812, 107.253



75, 23.124, 16.270



53, 6.974, 107.102



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, 28.866, 105.452



97, 37.794, 104.895



88, 31.975, 125.449



48, 6.396, 107.112



68, 71.460, 99.540



19, 27.982, 100.862

Inverse Universe

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



72, 30.495, 291.243



75, 40.482, 292.100



74, 33.318, 308.063



44, 6.525, 289.091



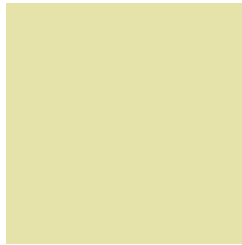
22, 100.057, 305.652



3, 32.487, 295.789

Previews

White Background



This preview shows how the CIELCh color 89, 28.864, 105.448 looks on a white background.

Color Contrast Check

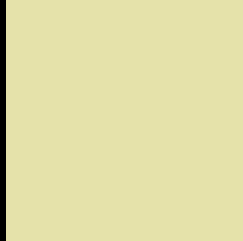
Large Text (above 18pt) WCAG AA × Fail

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, 28.864, 105.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

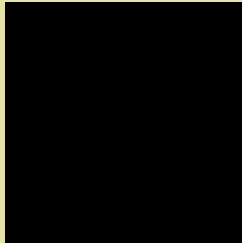
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

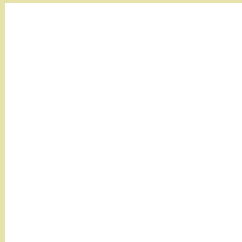
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 28.864, 105.448

Background



This preview shows how black text looks on a background with the CIELCh color 89, 28.864, 105.448.



This preview shows how white text looks on a background with the CIELCh color 89, 28.864, 105.448.

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, 28.864, 105.448

Protanopia

89, 28.609, 95.102

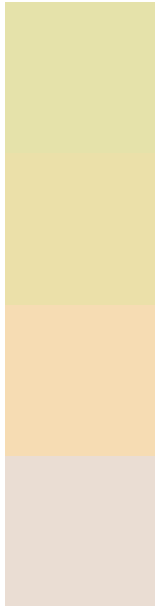
Deuteranopia

89, 22.691, 66.659



Tritanopia
89, 11.186, 327.870

Trichromacy



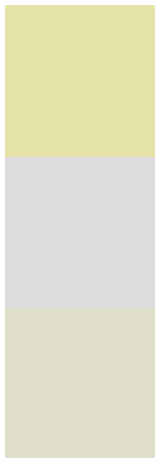
Original Color
89, 28.864, 105.448

Protanomaly
89, 28.707, 99.139

Deuteranomaly
89, 23.627, 82.915

Tritanomaly
89, 7.051, 66.886

Monochromacy



Original Color
89, 28.864, 105.448

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 10.385, 107.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 28.864, 105.448 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, 226, 170)` looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 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, 226, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 28.864, 105.448 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, 226, 170) }
```

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

```
.border{ border-color:rgb(229, 226, 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, 226, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 170);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 28.864, 105.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 170) }
```

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

```
.background{ background-color: rgb(229,  
226, 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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