

Converting Colors

CIELCh(89, 13.477, 92.897)

Have a look what the booklet for
CIELCh(89, 13.477, 92.897) contains.

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Color

CIELCh(89, 13.489, 92.889)

Conversions

Conversions Part 1

Format	Color
Hex	E9DFC6
RGB	233, 223, 198
RGB Percent	91%, 87%, 78%
CMY	0.0863, 0.1255, 0.2236
CMYK	0.00, 0.04, 0.15, 0.09
HSL	43°, 44%, 85%
HSV	43°, 15%, 91%
XYZ	70.1736, 74.1641, 64.0327
YIQ	223.1400, 13.9850, -5.6550

Conversions

Conversions Part 2

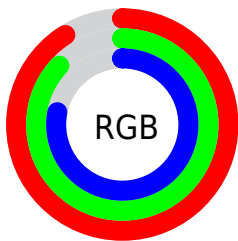
Format	Color
R _Y B	212, 233, 198
Decimal	15327174
CIE Lab	89.00, -0.68, 13.47
CIE LCh	89, 13.489, 92.889
Yxy	74.1641, 0.3368, 0.3559
Android (android.graphics.Color)	4293517254 (0xFFE9DFC6)
YUV	223.1400, -12.3940, 8.6472
Hunter-Lab	86.1186, -5.2571, 16.1985

Details

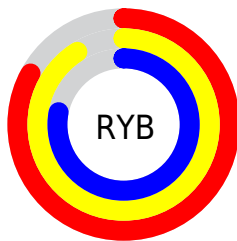
The CIELCh color **89, 13.489, 92.889** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 13.560, 276.778**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 13.596, 93.422** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.644, 91.627**, and if you desaturate by 10%, it is **91, 4.467, 94.100**.

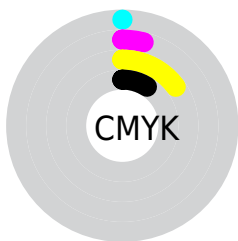
Distribution



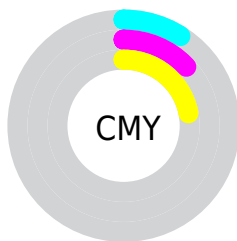
- Red (91%)
- Green (87%)
- Blue (78%)



- Red (83%)
- Yellow (91%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (9%)



- Cyan (9%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 13.489, 92.889 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, 13.489, 92.889 by changing the saturation by 10% instead.

89, 13.489, 92.889

89, 13.489, 92.889

100, 13.489,
92.889

79, 13.489, 92.889

69, 13.489, 92.889

59, 13.489, 92.889

49, 13.489, 92.889

39, 13.489, 92.889

29, 13.489, 92.889

19, 13.489, 92.889

9, 13.489, 92.889

0, 13.489, 92.889

89, 13.489, 92.889

89, 13.489, 92.889

87, 22.644, 91.627

91, 4.467, 94.100

85, 31.891, 90.313

93, 4.411, 275.396

83, 41.150, 88.962

95, 7.002, 261.575

81, 50.267, 87.571

97, 6.265, 225.354

79, 58.957, 86.125

98, 7.526, 199.017

77, 66.732, 84.586

75, 72.848, 82.872

74, 76.467, 80.847

73, 77.510, 79.735

Harmonies

Complementary

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



89, 13.489, 92.889



83, 13.560, 276.778

Rectangle

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



89, 13.489, 92.889



89, 13.489, 142.889



89, 13.489, 272.889



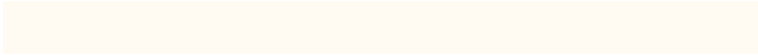
89, 13.489, 322.889

Sweetspot

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



89, 13.490, 92.899



99, 4.785, 94.100



83, 14.068, 357.416



53, 3.268, 94.021



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, 13.490, 92.899



96, 17.436, 92.514



91, 18.217, 116.968



48, 5.105, 93.581



58, 64.232, 80.169



16, 24.068, 83.068

Inverse Universe

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



83, 13.560, 276.778



89, 17.538, 277.245



81, 18.811, 299.116



46, 5.128, 275.993



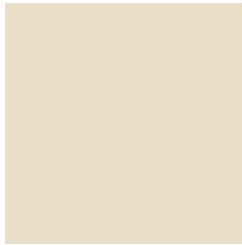
29, 81.158, 299.000



6, 28.415, 290.995

Previews

White Background



This preview shows how the CIELCh color 89, 13.489, 92.889 looks on a white background.

Color Contrast Check

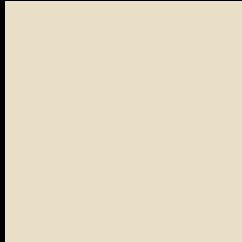
Large Text (above 18pt) WCAG AA × Fail

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, 13.489, 92.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

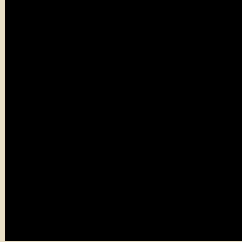
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

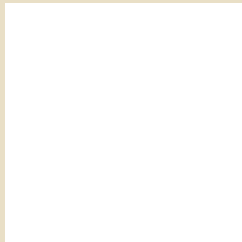
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 13.489, 92.889

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.489, 92.889.

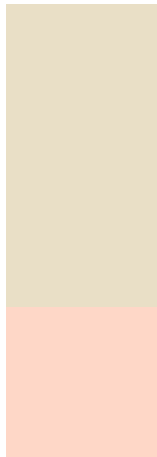


This preview shows how white text looks on a background with the CIELCh color 89, 13.489, 92.889.

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

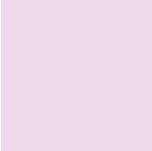
89, 13.489, 92.889

Protanopia

89, 13.489, 92.889

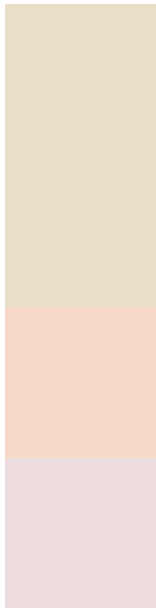
Deuteranopia

89, 17.108, 49.143



Tritanopia
89, 11.405, 329.317

Trichromacy



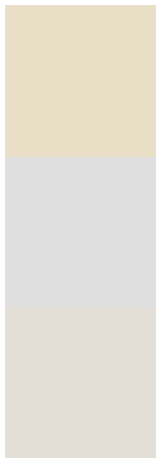
Original Color
89, 13.489, 92.889

Protanomaly
89, 13.489, 92.889

Deuteranomaly
89, 14.539, 62.404

Tritanomaly
89, 5.901, 9.609

Monochromacy



Original Color
89, 13.489, 92.889

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.879, 92.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.489, 92.889 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(233, 223, 198)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 198)  
}
```

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(233, 223, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.489, 92.889 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(233, 223, 198) }
```

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

```
.border{ border-color:rgb(233, 223, 198) }
```

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

Here you see how a box with a 4 pixel rgb(233, 223, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 198);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.489, 92.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 198) }
```

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

```
.background{ background-color: rgb(233,  
223, 198) }
```

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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