

Converting Colors

CIELCh(89, 14.800, 84.827)

Have a look what the booklet for
CIELCh(89, 14.800, 84.827) contains.

CIELCh(89, 14.787, 84.836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 14.787, 84.836)

Conversions

Conversions Part 1

Format	Color
Hex	EEDEC4
RGB	238, 222, 196
RGB Percent	93%, 87%, 77%
CMY	0.0679, 0.1306, 0.2326
CMYK	0.00, 0.07, 0.18, 0.07
HSL	37°, 55%, 85%
HSV	37°, 18%, 93%
XYZ	71.1145, 74.1641, 62.6045
YIQ	223.8200, 17.8820, -4.6940

Conversions

Conversions Part 2

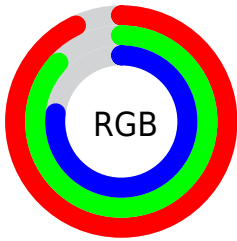
Format	Color
RYB	222, 238, 196
Decimal	15654596
CIELab	89.00, 1.33, 14.73
CIELCh	89, 14.787, 84.836
Yxy	74.1641, 0.3421, 0.3568
Android (android.graphics.Color)	4293844676 (0xFFEEDEC4)
YUV	223.8200, -13.7153, 12.4359
Hunter-Lab	86.1186, -3.3069, 17.1817

Details

The CIELCh color `89, 14.787, 84.836` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 14.580, 269.689`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 1.003, 110.026`, and `69, 14.967, 84.837` is the 20% darker color. If you saturate the color by 10%, you get `86, 23.485, 83.509`, and if you desaturate by 10%, it is `92, 6.323, 86.121`.

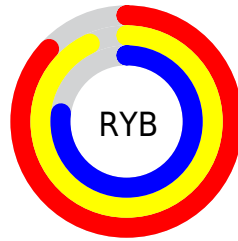
Distribution



Red (93%)

Green (87%)

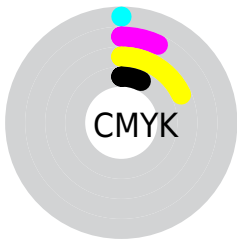
Blue (77%)



Red (87%)

Yellow (93%)

Blue (77%)

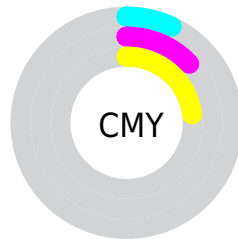


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 14.787, 84.836 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, 14.787, 84.836 by changing the saturation by 10% instead.

 89, 14.787, 84.836

 89, 14.787, 84.836

 100, 14.787,
84.836

 79, 14.787, 84.836

 69, 14.787, 84.836

 59, 14.787, 84.836

 49, 14.787, 84.836

 39, 14.787, 84.836

 29, 14.787, 84.836

 19, 14.787, 84.836

 9, 14.787, 84.836

 0, 14.787, 84.836

89, 14.787, 84.836

89, 14.787, 84.836

86, 23.485, 83.509

92, 6.323, 86.121

84, 32.393, 82.130

95, 1.912, 267.594

81, 41.453, 80.709

97, 4.918, 239.227

78, 50.526, 79.234

99, 5.950, 199.140

76, 59.332, 77.670

74, 67.354, 75.936

71, 73.754, 73.871

69, 77.640, 71.250

69, 78.375, 70.610

Harmonies

Complementary

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



89, 14.787, 84.836



84, 14.580, 269.689

Rectangle

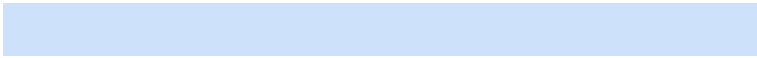
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 14.787, 84.836



89, 14.787, 134.836



89, 14.787, 264.836



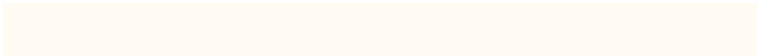
89, 14.787, 314.836

Sweetspot

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



89, 14.788, 84.846



98, 4.347, 86.433



83, 17.622, 352.142



52, 2.970, 86.352



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, 14.788, 84.846



94, 18.702, 84.395



93, 21.588, 113.355



49, 4.733, 85.898



54, 64.546, 71.193



16, 24.013, 73.717

Inverse Universe

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



84, 14.580, 269.689



88, 18.377, 270.261



81, 22.467, 296.343



47, 4.706, 268.449



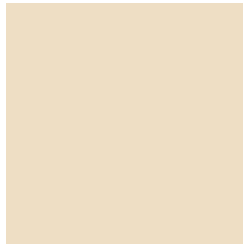
34, 70.594, 293.702



8, 26.267, 287.070

Previews

White Background



This preview shows how the CIELCh color 89, 14.787, 84.836 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, 14.787, 84.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

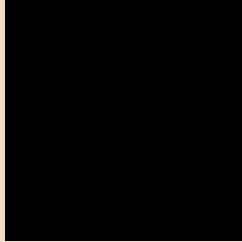
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

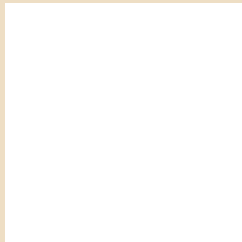
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 14.787, 84.836

Background



This preview shows how black text looks on a background with the CIELCh color 89, 14.787, 84.836.

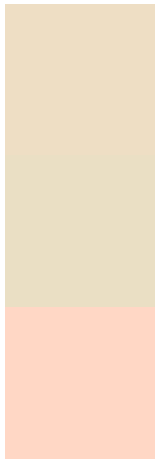


This preview shows how white text looks on a background with the CIELCh color 89, 14.787, 84.836.

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, 14.787, 84.836

Protanopia

89, 14.594, 92.459

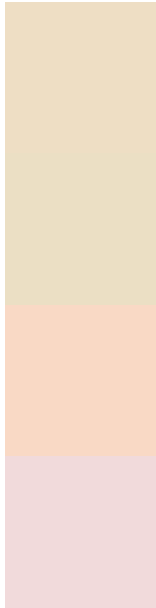
Deuteranopia

89, 18.027, 51.294



Tritanopia
89, 13.139, 338.072

Trichromacy



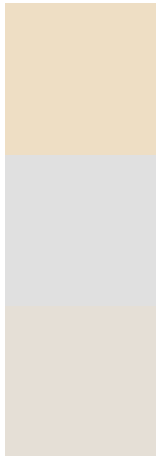
Original Color
89, 14.787, 84.836

Protanomaly
89, 14.707, 91.036

Deuteranomaly
89, 16.088, 59.973

Tritanomaly
89, 8.428, 16.427

Monochromacy



Original Color
89, 14.787, 84.836

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 5.141, 84.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 14.787, 84.836 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(238, 222, 196)` looks like.

```
.text, #text, p{  
  color:rgb(238, 222, 196)  
}
```

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(238, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 222, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 14.787, 84.836 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(238, 222, 196) }
```

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

```
.border{ border-color:rgb(238, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(238, 222,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 14.787, 84.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 222, 196) }
```

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

```
.background{ background-color: rgb(238,  
222, 196) }
```

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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