

Converting Colors

CIELCh(87, 14.895, 89.590)

Have a look what the booklet for
CIELCh(87, 14.895, 89.590) contains.

CIELCh(87, 14.908, 89.580)	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(87, 14.908, 89.580)

Conversions

Conversions Part 1

Format	Color
Hex	E6D9BE
RGB	230, 217, 190
RGB Percent	90%, 85%, 75%
CMY	0.0989, 0.1499, 0.2557
CMYK	0.00, 0.06, 0.17, 0.10
HSL	41°, 44%, 82%
HSV	41°, 17%, 90%
XYZ	66.5881, 70.0064, 58.5951
YIQ	217.8090, 16.4150, -5.6410

Conversions

Conversions Part 2

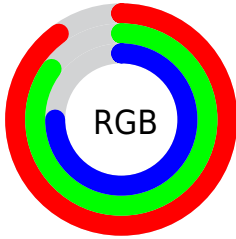
Format	Color
R _Y B	209, 230, 190
Decimal	15129022
CIE Lab	87.00, 0.11, 14.91
CIE LCh	87, 14.908, 89.580
Yxy	70.0064, 0.3411, 0.3587
Android (android.graphics.Color)	4293319102 (0xFFE6D9BE)
YUV	217.8090, -13.7098, 10.6915
Hunter-Lab	83.6698, -4.3640, 17.0473

Details

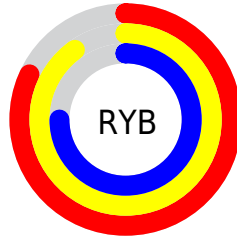
The CIELCh color **87, 14.908, 89.580** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **81, 14.883, 274.235**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 4.553, 109.821**, and **67, 14.589, 89.183** is the 20% darker color. If you saturate the color by 10%, you get **85, 23.710, 88.278**, and if you desaturate by 10%, it is **89, 6.273, 90.840**.

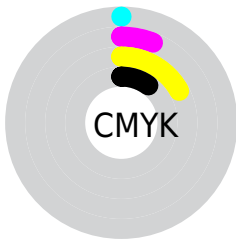
Distribution



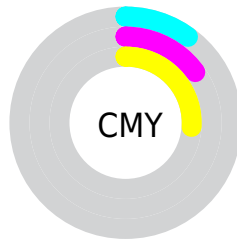
- Red (90%)
- Green (85%)
- Blue (75%)



- Red (82%)
- Yellow (90%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (10%)



- Cyan (10%)
- Magenta (15%)
- Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 14.908, 89.580 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 87, 14.908, 89.580 by changing the saturation by 10% instead.

 87, 14.908, 89.580

 87, 14.908, 89.580

 100, 14.908,
89.580

 77, 14.908, 89.580

 67, 14.908, 89.580

 57, 14.908, 89.580

 47, 14.908, 89.580

 37, 14.908, 89.580

 27, 14.908, 89.580

 17, 14.908, 89.580

 7, 14.908, 89.580

 0, 14.908, 89.580

87, 14.908, 89.580

87, 14.908, 89.580

85, 23.710, 88.278

89, 6.273, 90.840

82, 32.640, 86.924

92, 2.190, 272.230

80, 41.622, 85.528

94, 8.688, 269.209

78, 50.498, 84.083

96, 7.091, 236.408

76, 58.969, 82.562

98, 8.294, 202.114

74, 66.513, 80.905

98, 8.595, 198.939

72, 72.336, 78.991

70, 75.647, 76.650

70, 76.303, 76.012

Harmonies

Complementary

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



87, 14.908, 89.580



81, 14.883, 274.235

Rectangle

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



87, 14.908, 89.580



87, 14.908, 139.580



87, 14.908, 269.580



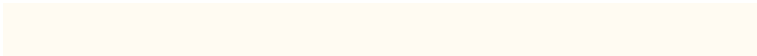
87, 14.908, 319.580

Sweetspot

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



87, 14.909, 89.589



99, 4.595, 91.116



81, 16.447, 355.399



52, 3.138, 91.036



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 14.909, 89.589



94, 19.650, 89.108



90, 20.782, 115.442



47, 4.819, 90.591



55, 63.195, 76.517



15, 22.205, 79.377

Inverse Universe

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



81, 14.883, 274.235



87, 19.601, 274.839



79, 21.591, 298.117



45, 4.822, 273.062



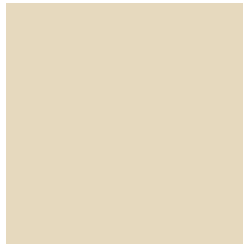
30, 75.653, 296.975



6, 25.728, 288.159

Previews

White Background



This preview shows how the CIELCh color 87, 14.908, 89.580 looks on a white background.

Color Contrast Check

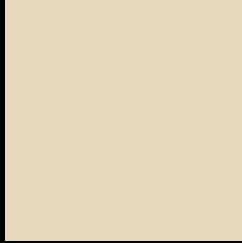
Large Text (above 18pt) WCAG AA × Fail

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 87, 14.908, 89.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

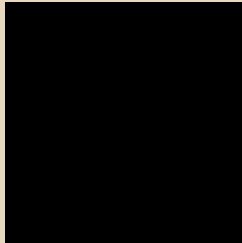
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

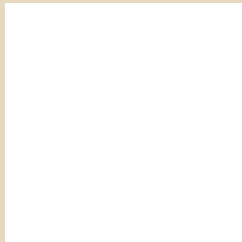
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 14.908, 89.580

Background



This preview shows how black text looks on a background with the CIELCh color 87, 14.908, 89.580.

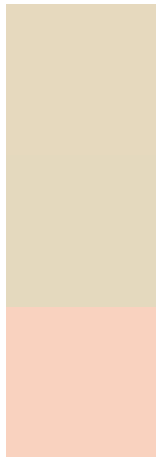


This preview shows how white text looks on a background with the CIELCh color 87, 14.908, 89.580.

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

87, 14.908, 89.580

Protanopia

87, 14.670, 92.408

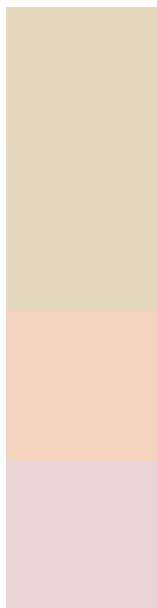
Deuteranopia

87, 18.096, 53.228



Tritanopia
87, 12.420, 334.618

Trichromacy



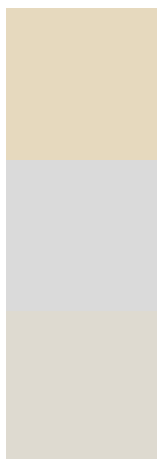
Original Color
87, 14.908, 89.580

Protanomaly
87, 14.784, 90.984

Deuteranomaly
87, 15.951, 63.065

Tritanomaly
87, 7.353, 15.811

Monochromacy



Original Color
87, 14.908, 89.580

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 5.401, 93.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 14.908, 89.580 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(230, 217, 190)` looks like.

```
.text, #text, p{  
    color:rgb(230, 217, 190)  
}
```

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(230, 217, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 217, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 14.908, 89.580 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(230, 217, 190) }
```

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

```
.border{ border-color:rgb(230, 217, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 217, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 217, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 217, 190);  
box-shadow:4px 4px 4px 4px rgb(230, 217,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 14.908, 89.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 217, 190) }
```

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

```
.background{ background-color: rgb(230,  
217, 190) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor