

# Converting Colors

CIELCh(87, 13.276, 89.104)

Have a look what the booklet for  
CIELCh(87, 13.276, 89.104) contains.

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# Color

**CIELCh(87, 13.299, 89.126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D9C1
RGB	229, 217, 193
RGB Percent	90%, 85%, 76%
CMY	0.1027, 0.1497, 0.2438
CMYK	0.00, 0.05, 0.16, 0.10
HSL	40°, 41%, 83%
HSV	40°, 16%, 90%
XYZ	66.6302, 70.0064, 60.3523
YIQ	217.8520, 14.8560, -4.9200

# Conversions

## Conversions Part 2

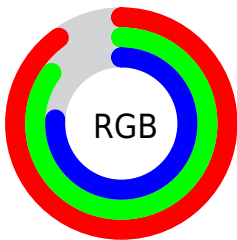
Format	Color
<a href="#">RYB</a>	<a href="#">211, 229, 193</a>
Decimal	<a href="#">15063489</a>
CIELab	<a href="#">87.00, 0.20, 13.30</a>
CIELCh	<a href="#">87, 13.299, 89.126</a>
Yxy	<a href="#">70.0064, 0.3382, 0.3554</a>
Android (android.graphics.Color)	<a href="#">4293253569</a> ( <a href="#">0xFFE5D9C1</a> )
YUV	<a href="#">217.8520, -12.2520, 9.7768</a>
Hunter-Lab	<a href="#">83.6698, -4.2742, 15.8021</a>

# Details

The CIELCh color  $87, 13.299, 89.126$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $82, 13.262, 273.324$ , and the grayscale version is  $87, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 3.032, 109.926$ , and  $67, 13.409, 89.453$  is the 20% darker color. If you saturate the color by 10%, you get  $85, 21.988, 87.829$ , and if you desaturate by 10%, it is  $89, 4.787, 90.373$ .

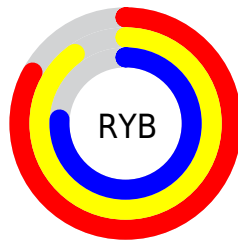
# Distribution



Red (90%)

Green (85%)

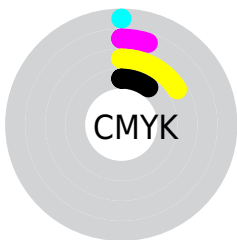
Blue (76%)



Red (83%)

Yellow (90%)

Blue (76%)

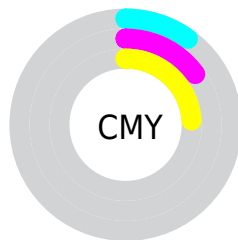


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (10%)



Cyan (10%)

Magenta (15%)

Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.299, 89.126 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, 13.299, 89.126 by changing the saturation by 10% instead.



 87, 13.299, 89.126

 87, 13.299, 89.126

 100, 13.299,  
89.126

 77, 13.299, 89.126

 67, 13.299, 89.126

 57, 13.299, 89.126

 47, 13.299, 89.126

 37, 13.299, 89.126

 27, 13.299, 89.126

 17, 13.299, 89.126

 7, 13.299, 89.126

 0, 13.299, 89.126

87, 13.299, 89.126

87, 13.299, 89.126

85, 21.988, 87.829

89, 4.787, 90.373

82, 30.825, 86.476

92, 3.546, 271.729

80, 39.744, 85.083

94, 8.627, 265.408

78, 48.610, 83.641

96, 7.350, 231.545

76, 57.158, 82.127

98, 8.894, 199.080

74, 64.916, 80.487

98, 8.912, 198.917

72, 71.136, 78.606

70, 74.935, 76.300

69, 76.029, 75.223

# Harmonies

# Complementary

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



87, 13.299, 89.126



82, 13.262, 273.324

# Rectangle

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



87, 13.299, 89.126



87, 13.299, 139.126



87, 13.299, 269.126



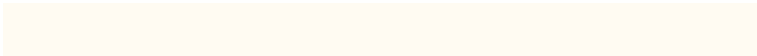
87, 13.299, 319.126

# Sweetspot

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



87, 13.300, 89.136



99, 4.556, 90.452



81, 14.772, 355.209



52, 3.112, 90.372



0, 0.000, 0.000



53, 0.007, 296.813

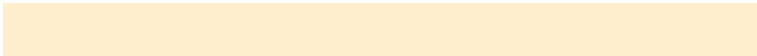


# Same Dimension

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



87, 13.300, 89.136



95, 17.606, 88.699



90, 18.729, 115.565



47, 4.779, 89.926



55, 63.157, 75.734



15, 22.091, 78.546





# Inverse Universe

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



82, 13.262, 273.324



88, 17.535, 273.860



80, 19.384, 297.964



45, 4.778, 272.409



30, 74.667, 296.516

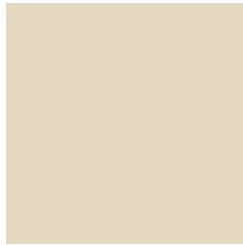


6, 25.474, 287.778



# Previews

## White Background



This preview shows how the CIELCh color 87, 13.299, 89.126 looks on a white background.

## Color Contrast Check

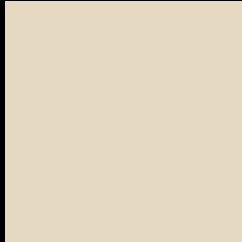
Large Text (above 18pt) WCAG AA × Fail

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, 13.299, 89.126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

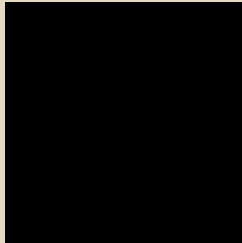
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

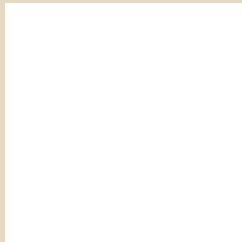
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 87, 13.299, 89.126

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.299, 89.126.

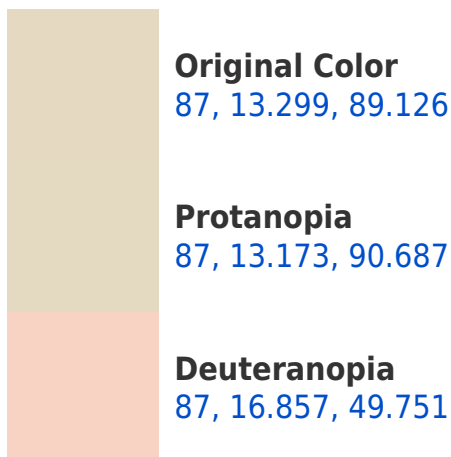


This preview shows how white text looks on a background with the CIELCh color 87, 13.299, 89.126.

# 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





**Tritanopia**  
87, 11.543, 333.803



# Trichromacy



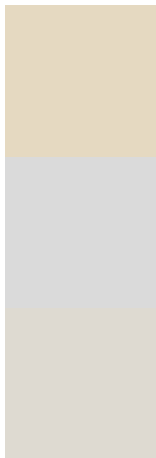
**Original Color**  
87, 13.299, 89.126

**Protanomaly**  
87, 13.173, 90.687

**Deuteranomaly**  
87, 14.559, 59.915

**Tritanomaly**  
87, 6.606, 15.285

# Monochromacy



**Original Color**  
87, 13.299, 89.126

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 4.900, 92.359

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 13.299, 89.126 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, 217, 193)` looks like.

```
.text, #text, p{  
    color:rgb(229, 217, 193)  
}
```

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, 217, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 217, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 13.299, 89.126 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, 217, 193) }
```

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

```
.border{ border-color:rgb(229, 217, 193) }
```

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

Here you see how a box with a 4 pixel rgb(229, 217, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 217, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 217, 193);  
box-shadow:4px 4px 4px 4px rgb(229, 217,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 13.299, 89.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 217, 193) }
```

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

```
.background{ background-color: rgb(229,  
217, 193) }
```

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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