

# Converting Colors

CIELCh(84, 14.244, 76.112)

Have a look what the booklet for  
CIELCh(84, 14.244, 76.112) contains.

<b>CIELCh(84, 14.125, 74.281)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(84, 14.125, 74.281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CEB8
RGB	227, 206, 184
RGB Percent	89%, 81%, 72%
CMY	0.1090, 0.1914, 0.2777
CMYK	0.00, 0.09, 0.19, 0.11
HSL	31°, 44%, 81%
HSV	31°, 19%, 89%
XYZ	62.5289, 64.0658, 54.5207
YIQ	209.7710, 19.5780, -2.3900

# Conversions

## Conversions Part 2

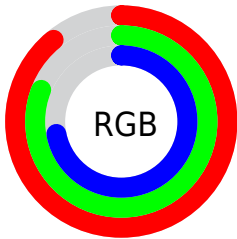
Format	Color
R <sub>Y</sub> B	225, 227, 184
Decimal	14929592
CIE Lab	84.00, 3.83, 13.60
CIE LCh	84, 14.125, 74.281
Yxy	64.0658, 0.3452, 0.3537
Android (android.graphics.Color)	4293119672 (0xFFE3CEB8)
YUV	209.7710, -12.7051, 15.1098
Hunter-Lab	80.0411, -0.6260, 15.6429

# Details

The CIELCh color  $84, 14.125, 74.281$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $82, 13.489, 259.414$ , and the grayscale version is  $84, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 7.593, 109.599$ , and  $64, 14.092, 75.153$  is the 20% darker color. If you saturate the color by 10%, you get  $81, 22.086, 73.023$ , and if you desaturate by 10%, it is  $87, 6.513, 75.518$ .

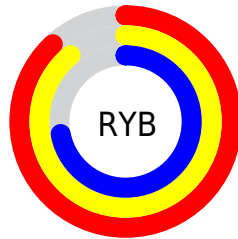
# Distribution



Red (89%)

Green (81%)

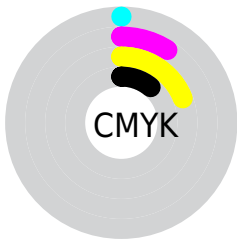
Blue (72%)



Red (88%)

Yellow (89%)

Blue (72%)

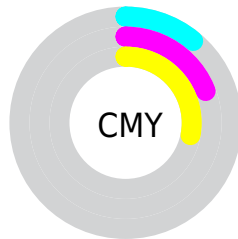


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (11%)



Cyan (11%)

Magenta (19%)

Yellow (28%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 14.125, 74.281 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 84, 14.125, 74.281 by changing the saturation by 10% instead.



 84, 14.125, 74.281

 84, 14.125, 74.281

 100, 14.125,  
74.281

 74, 14.125, 74.281

 64, 14.125, 74.281

 54, 14.125, 74.281

 44, 14.125, 74.281

 34, 14.125, 74.281

 24, 14.125, 74.281

 14, 14.125, 74.281

 4, 14.125, 74.281

 0, 14.125, 74.281

84, 14.125, 74.281

84, 14.125, 74.281

81, 22.086, 73.023

87, 6.513, 75.518

78, 30.403, 71.734

91, 0.774, 257.320

74, 39.050, 70.427

94, 7.764, 258.058

72, 47.935, 69.088

97, 8.210, 215.060

69, 56.835, 67.669

98, 9.449, 198.879

66, 65.287, 66.057

63, 72.448, 64.021

61, 77.448, 61.306

61, 77.954, 61.022

# Harmonies

# Complementary

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



84, 14.125, 74.281



82, 13.489, 259.414

# Rectangle

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



84, 14.125, 74.281



84, 14.125, 124.281



84, 14.125, 254.281



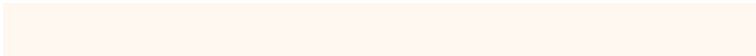
84, 14.125, 304.281

# Sweetspot

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



84, 14.126, 74.292



98, 4.773, 75.847



79, 19.548, 345.296



52, 3.171, 75.775



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 14.126, 74.292



92, 19.030, 73.760



89, 22.191, 108.341



46, 4.182, 75.455



48, 64.891, 61.667



12, 20.931, 61.903



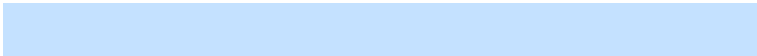


# Inverse Universe

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



82, 13.489, 259.414



88, 17.962, 260.140



76, 23.184, 292.305



46, 4.098, 257.981



38, 56.426, 285.081

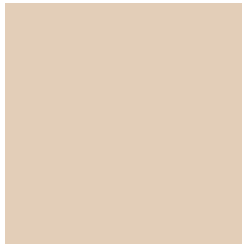


8, 20.185, 276.517



# Previews

## White Background



This preview shows how the CIELCh color 84, 14.125, 74.281 looks on a white background.

## Color Contrast Check

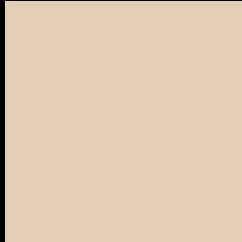
Large Text (above 18pt) WCAG AA × Fail

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 84, 14.125, 74.281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

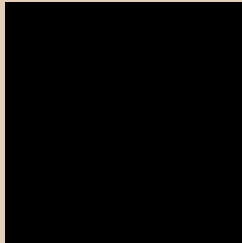
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 84, 14.125, 74.281

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 14.125, 74.281.

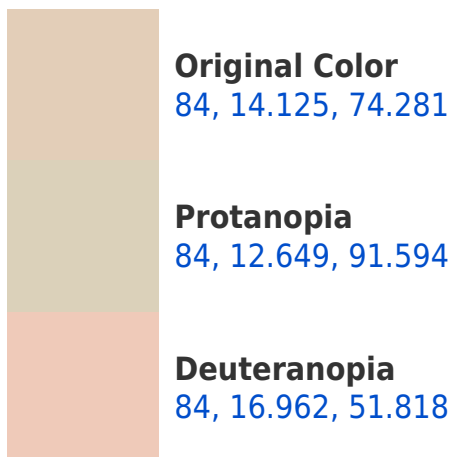


This preview shows how white text looks on a background with the CIELCh color 84, 14.125, 74.281.

# 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**  
84, 13.814, 342.940



# Trichromacy



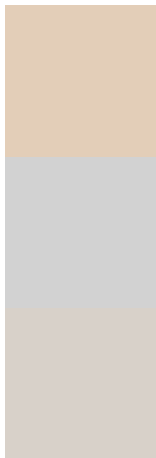
**Original Color**  
84, 14.125, 74.281

**Protanomaly**  
84, 13.209, 85.201

**Deuteranomaly**  
84, 15.648, 59.413

**Tritanomaly**  
84, 10.084, 14.168

# Monochromacy



**Original Color**  
84, 14.125, 74.281

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 4.917, 78.005

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 14.125, 74.281 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(227, 206, 184)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 184)  
}
```

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(227, 206, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 14.125, 74.281 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(227, 206, 184) }
```

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

```
.border{ border-color:rgb(227, 206, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 184);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 14.125, 74.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 184) }
```

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

```
.background{ background-color: rgb(227,  
206, 184) }
```

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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