

Converting Colors

CIELCh(84, 21.407, 86.605)

Have a look what the booklet for
CIELCh(84, 21.407, 86.605) contains.

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Color

CIELCh(84, 21.625, 85.918)

Conversions

Conversions Part 1

Format	Color
Hex	E4CFA9
RGB	228, 207, 169
RGB Percent	89%, 81%, 66%
CMY	0.1054, 0.1877, 0.3368
CMYK	0.00, 0.09, 0.26, 0.11
HSL	39°, 52%, 78%
HSV	39°, 26%, 89%
XYZ	61.5473, 64.0658, 46.7144
YIQ	208.9470, 24.7140, -7.3660

Conversions

Conversions Part 2

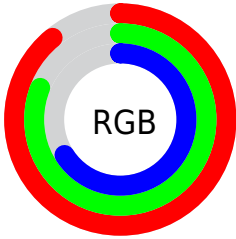
Format	Color
R _Y B	202, 228, 169
Decimal	14995369
CIE Lab	84.00, 1.54, 21.57
CIE LCh	84, 21.625, 85.918
Yxy	64.0658, 0.3572, 0.3718
Android (android.graphics.Color)	4293185449 (0xFFE4CFA9)
YUV	208.9470, -19.6939, 16.7095
Hunter-Lab	80.0411, -2.8150, 21.4253

Details

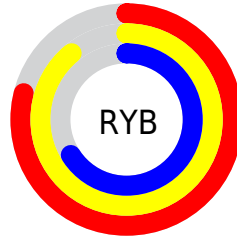
The CIELCh color $84, 21.625, 85.918$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $77, 21.341, 273.210$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 15.682, 108.992$, and $64, 21.566, 86.056$ is the 20% darker color. If you saturate the color by 10%, you get $82, 30.325, 84.562$, and if you desaturate by 10%, it is $87, 13.104, 87.244$.

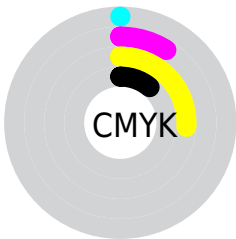
Distribution



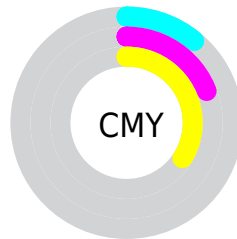
- Red (89%)
- Green (81%)
- Blue (66%)



- Red (79%)
- Yellow (89%)
- Blue (66%)



- Cyan (0%)
- Magenta (9%)
- Yellow (26%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 21.625, 85.918 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, 21.625, 85.918 by changing the saturation by 10% instead.

 84, 21.625, 85.918

 84, 21.625, 85.918

 100, 21.625,
85.918

 74, 21.625, 85.918

 64, 21.625, 85.918

 54, 21.625, 85.918

 44, 21.625, 85.918

 34, 21.625, 85.918

 24, 21.625, 85.918

 14, 21.625, 85.918

 4, 21.625, 85.918

 0, 21.625, 85.918

84, 21.625, 85.918

84, 21.625, 85.918

82, 30.325, 84.562

87, 13.104, 87.244

79, 39.143, 83.157

89, 4.781, 88.490

77, 47.953, 81.701

92, 3.345, 269.872

75, 56.504, 80.170

94, 8.760, 264.377

72, 64.335, 78.499

96, 7.564, 228.740

70, 70.697, 76.561

98, 9.143, 198.900

68, 74.679, 74.150

68, 75.844, 73.062

Harmonies

Complementary

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



84, 21.625, 85.918



77, 21.341, 273.210

Rectangle

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



84, 21.625, 85.918



84, 21.625, 135.918



84, 21.625, 265.918



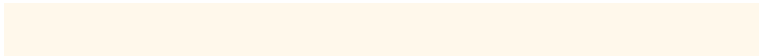
84, 21.625, 315.918

Sweetspot

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



84, 21.626, 85.925



98, 7.159, 88.230



75, 25.008, 354.181



52, 5.098, 88.044



0, 0.000, 0.000



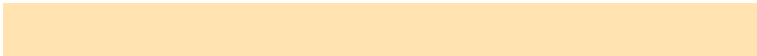
53, 0.007, 296.813

Same Dimension

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



84, 21.626, 85.925



91, 28.543, 85.204



89, 30.499, 113.411



47, 4.675, 88.057



54, 63.123, 73.601



14, 21.804, 76.237

Inverse Universe

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



77, 21.341, 273.210



82, 28.090, 274.232



72, 32.376, 297.800



45, 4.662, 270.570



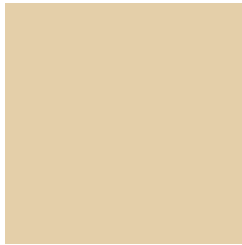
31, 71.967, 295.196



6, 24.763, 286.659

Previews

White Background



This preview shows how the CIELCh color 84, 21.625, 85.918 looks on a white background.

Color Contrast Check

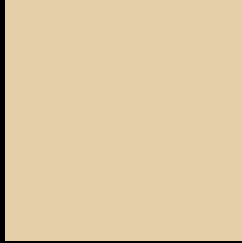
Large Text (above 18pt) WCAG AA × Fail

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, 21.625, 85.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

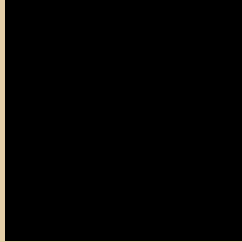
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

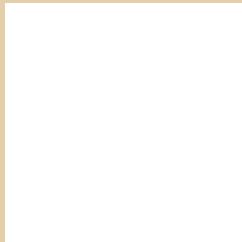
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 21.625, 85.918

Background



This preview shows how black text looks on a background with the CIELCh color 84, 21.625, 85.918.



This preview shows how white text looks on a background with the CIELCh color 84, 21.625, 85.918.

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

84, 21.625, 85.918

Protanopia

84, 21.062, 94.393

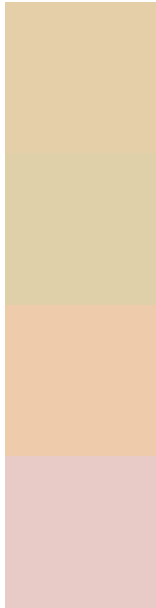
Deuteranopia

84, 23.528, 63.573



Tritanopia
84, 14.418, 347.409

Trichromacy



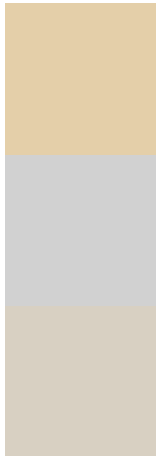
Original Color
84, 21.625, 85.918

Protanomaly
84, 20.906, 90.948

Deuteranomaly
84, 22.350, 70.301

Tritanomaly
84, 11.109, 31.014

Monochromacy



Original Color
84, 21.625, 85.918

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 7.930, 87.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 21.625, 85.918 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(228, 207, 169)` looks like.

```
.text, #text, p{  
    color:rgb(228, 207, 169)  
}
```

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(228, 207, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 207, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 21.625, 85.918 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(228, 207, 169) }
```

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

```
.border{ border-color:rgb(228, 207, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 207, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 207, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 207, 169); box-shadow:4px 4px 4px 4px rgb(228, 207, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 21.625, 85.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 207, 169) }
```

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

```
.background{ background-color: rgb(228,  
207, 169) }
```

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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