

Converting Colors

CIELCh(84, 25.170, 84.812)

Have a look what the booklet for
CIELCh(84, 25.170, 84.812) contains.

CIELCh(84, 24.730, 84.429)	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(84, 24.730, 84.429)

Conversions

Conversions Part 1

Format	Color
Hex	E7CEA3
RGB	231, 206, 163
RGB Percent	91%, 81%, 64%
CMY	0.0924, 0.1905, 0.3592
CMYK	0.00, 0.11, 0.29, 0.09
HSL	38°, 59%, 77%
HSV	38°, 29%, 91%
XYZ	61.9157, 64.0658, 43.9439
YIQ	208.5730, 28.7030, -8.0730

Conversions

Conversions Part 2

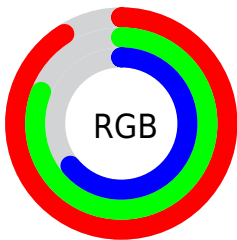
Format	Color
R _Y B	203, 231, 163
Decimal	15191715
CIE Lab	84.00, 2.40, 24.61
CIE LCh	84, 24.730, 84.429
Yxy	64.0658, 0.3644, 0.3770
Android (android.graphics.Color)	4293381795 (0xFFE7CEA3)
YUV	208.5730, -22.4675, 19.6685
Hunter-Lab	80.0411, -1.9933, 23.4776

Details

The CIELCh color $84, 24.730, 84.429$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $76, 24.246, 272.909$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.707, 108.762$, and $64, 24.860, 84.252$ is the 20% darker color. If you saturate the color by 10%, you get $81, 33.533, 83.053$, and if you desaturate by 10%, it is $87, 16.110, 85.776$.

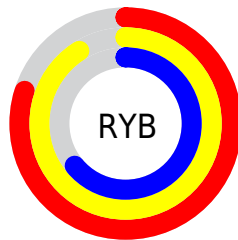
Distribution



Red (91%)

Green (81%)

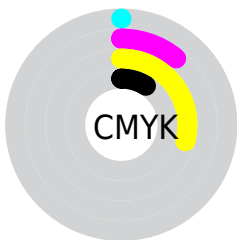
Blue (64%)



Red (80%)

Yellow (91%)

Blue (64%)

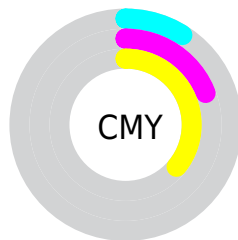


Cyan (0%)

Magenta (11%)

Yellow (29%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 24.730, 84.429 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, 24.730, 84.429 by changing the saturation by 10% instead.

 84, 24.730, 84.429

 84, 24.730, 84.429

 100, 24.730,
84.429

 74, 24.730, 84.429

 64, 24.730, 84.429

 54, 24.730, 84.429

 44, 24.730, 84.429

 34, 24.730, 84.429

 24, 24.730, 84.429

 14, 24.730, 84.429

 4, 24.730, 84.429

 0, 24.730, 84.429

84, 24.730, 84.429

84, 24.730, 84.429

81, 33.533, 83.053

87, 16.110, 85.776

79, 42.443, 81.627

89, 7.698, 87.061

77, 51.300, 80.144

92, 0.500, 268.953

74, 59.793, 78.565

95, 8.028, 268.232

72, 67.362, 76.803

97, 6.674, 226.750

70, 73.146, 74.693

98, 8.043, 198.979

68, 76.533, 72.073

68, 76.720, 71.914

Harmonies

Complementary

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



84, 24.730, 84.429



76, 24.246, 272.909

Rectangle

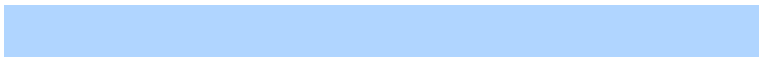
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 24.730, 84.429



84, 24.730, 134.429



84, 24.730, 264.429



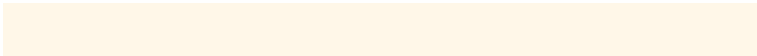
84, 24.730, 314.429

Sweetspot

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



84, 24.731, 84.436



97, 7.975, 87.104



74, 29.095, 353.538



52, 5.553, 86.922



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, 24.731, 84.436



90, 32.079, 83.640



90, 34.941, 112.419



47, 4.623, 87.054



53, 63.147, 72.497



14, 21.671, 75.016

Inverse Universe

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



76, 24.246, 272.909



80, 31.332, 274.099



70, 37.466, 297.650



45, 4.604, 269.581



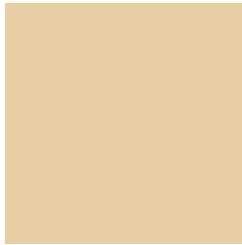
32, 70.560, 294.469



6, 24.384, 286.029

Previews

White Background



This preview shows how the CIELCh color 84, 24.730, 84.429 looks on a white background.

Color Contrast Check

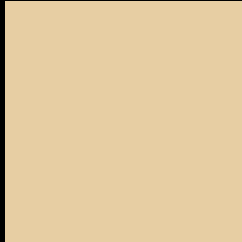
Large Text (above 18pt) WCAG AA × Fail

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, 24.730, 84.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

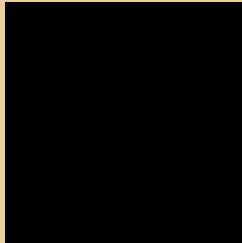
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 24.730, 84.429

Background



This preview shows how black text looks on a background with the CIELCh color 84, 24.730, 84.429.

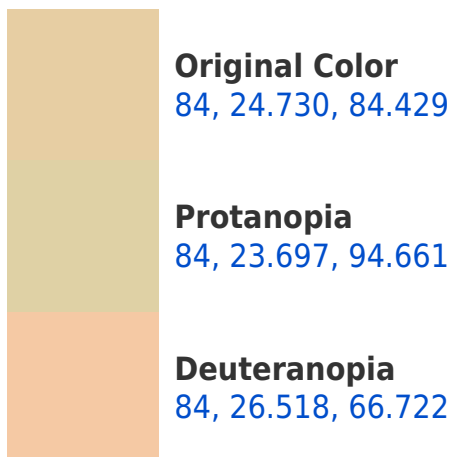


This preview shows how white text looks on a background with the CIELCh color 84, 24.730, 84.429.

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](#).

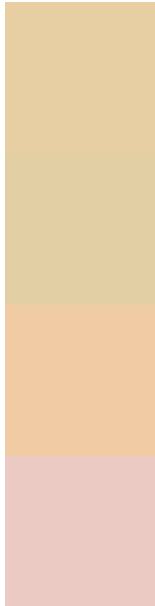
Dichromacy





Tritanopia
84, 16.269, 349.607

Trichromacy



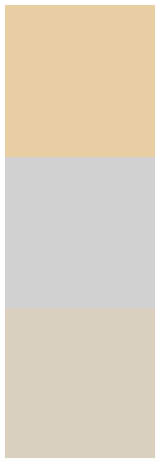
Original Color
84, 24.730, 84.429

Protanomaly
84, 24.155, 90.965

Deuteranomaly
84, 25.458, 72.807

Tritanomaly
84, 12.906, 34.334

Monochromacy



Original Color
84, 24.730, 84.429

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 9.051, 87.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 24.730, 84.429 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(231, 206, 163)` looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 163)  
}
```

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(231, 206, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 24.730, 84.429 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(231, 206, 163) }
```

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

```
.border{ border-color:rgb(231, 206, 163) }
```

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

Here you see how a box with a 4 pixel rgb(231, 206, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 206, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 206, 163);  
box-shadow:4px 4px 4px 4px rgb(231, 206,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 24.730, 84.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 163) }
```

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

```
.background{ background-color: rgb(231,  
206, 163) }
```

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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