

Converting Colors

CIELCh(85, 22.094, 80.515)

Have a look what the booklet for
CIELCh(85, 22.094, 80.515) contains.

CIELCh(85, 22.449, 81.269)	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(85, 22.449, 81.269)

Conversions

Conversions Part 1

Format	Color
Hex	EBD1AB
RGB	235, 209, 171
RGB Percent	92%, 82%, 67%
CMY	0.0796, 0.1815, 0.3305
CMYK	0.00, 0.11, 0.27, 0.08
HSL	36°, 61%, 79%
HSV	36°, 27%, 92%
XYZ	64.2225, 66.0070, 47.7490
YIQ	212.4420, 27.6940, -6.3060

Conversions

Conversions Part 2

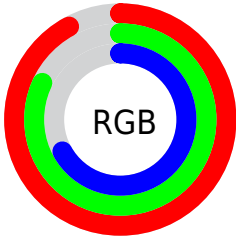
Format	Color
R _Y B	215, 235, 171
Decimal	15454635
CIE Lab	85.00, 3.41, 22.19
CIE LCh	85, 22.449, 81.269
Yxy	66.0070, 0.3608, 0.3709
Android (android.graphics.Color)	4293644715 (0xFFEBD1AB)
YUV	212.4420, -20.4309, 19.7834
Hunter-Lab	81.2447, -1.0772, 22.0255

Details

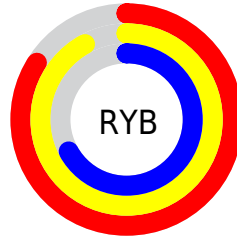
The CIELCh color $85, 22.449, 81.269$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $79, 21.714, 269.123$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 14.673, 109.069$, and $65, 22.241, 82.037$ is the 20% darker color. If you saturate the color by 10%, you get $82, 31.158, 79.903$, and if you desaturate by 10%, it is $88, 13.989, 82.609$.

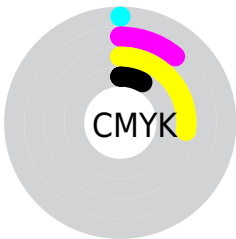
Distribution



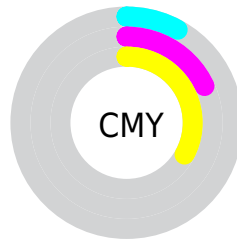
- Red (92%)
- Green (82%)
- Blue (67%)



- Red (84%)
- Yellow (92%)
- Blue (67%)



- Cyan (0%)
- Magenta (11%)
- Yellow (27%)
- Black (8%)



- Cyan (8%)
- Magenta (18%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 22.449, 81.269 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 85, 22.449, 81.269 by changing the saturation by 10% instead.

 85, 22.449, 81.269

 85, 22.449, 81.269

 100, 22.449,
81.269

 75, 22.449, 81.269

 65, 22.449, 81.269

 55, 22.449, 81.269

 45, 22.449, 81.269

 35, 22.449, 81.269

 25, 22.449, 81.269

 15, 22.449, 81.269

 5, 22.449, 81.269

 0, 22.449, 81.269

85, 22.449, 81.269

85, 22.449, 81.269

82, 31.158, 79.903

88, 13.989, 82.609

79, 40.065, 78.491

91, 5.787, 83.879

77, 49.052, 77.028

94, 2.165, 265.350

74, 57.867, 75.478

97, 5.831, 245.036

72, 66.026, 73.755

99, 6.948, 199.061

69, 72.715, 71.689

67, 76.984, 69.028

67, 77.936, 68.259

Harmonies

Complementary

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



85, 22.449, 81.269



79, 21.714, 269.123

Rectangle

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



85, 22.449, 81.269



85, 22.449, 131.269



85, 22.449, 261.269



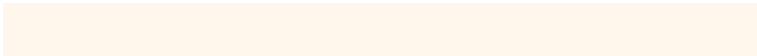
85, 22.449, 311.269

Sweetspot

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



85, 22.450, 81.276



97, 6.831, 83.785



76, 27.713, 351.137



52, 4.867, 83.598



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 22.450, 81.276



90, 29.334, 80.472



91, 32.751, 111.152



48, 4.544, 83.608



52, 64.089, 68.882



14, 22.559, 71.023

Inverse Universe

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



79, 21.714, 269.123



82, 28.153, 270.313



72, 34.947, 296.271



46, 4.504, 266.171



34, 66.732, 291.920



7, 24.185, 284.577

Previews

White Background



This preview shows how the CIELCh color 85, 22.449, 81.269 looks on a white background.

Color Contrast Check

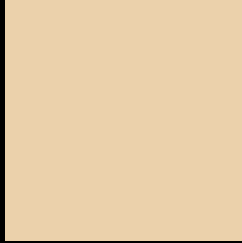
Large Text (above 18pt) WCAG AA × Fail

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 85, 22.449, 81.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

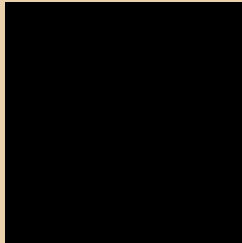
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 22.449, 81.269

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.449, 81.269.

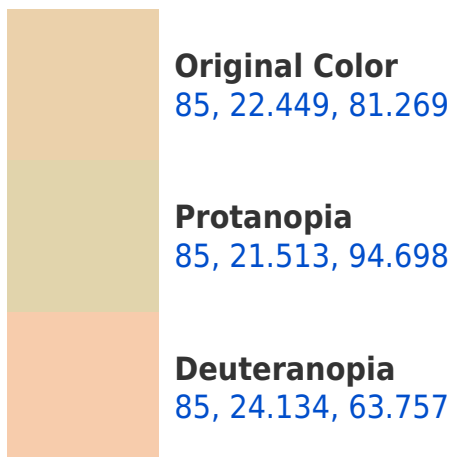


This preview shows how white text looks on a background with the CIELCh color 85, 22.449, 81.269.

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](#).

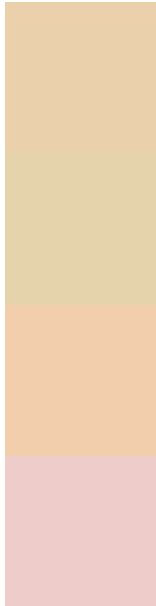
Dichromacy





Tritanopia
85, 16.226, 349.588

Trichromacy



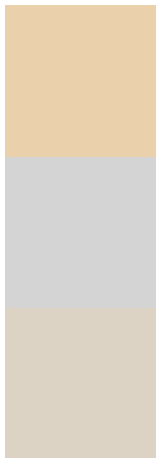
Original Color
85, 22.449, 81.269

Protanomaly
85, 21.601, 89.334

Deuteranomaly
85, 23.221, 69.537

Tritanomaly
85, 12.893, 27.284

Monochromacy



Original Color
85, 22.449, 81.269

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.056, 84.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.449, 81.269 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(235, 209, 171)` looks like.

```
.text, #text, p{  
    color:rgb(235, 209, 171)  
}
```

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(235, 209, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 209, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.449, 81.269 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(235, 209, 171) }
```

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

```
.border{ border-color:rgb(235, 209, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 209, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 209, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 209, 171);  
box-shadow:4px 4px 4px 4px rgb(235, 209,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.449, 81.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 209, 171) }
```

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

```
.background{ background-color: rgb(235,  
209, 171) }
```

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