

Converting Colors

CIELCh(84, 21.925, 73.733)

Have a look what the booklet for
CIELCh(84, 21.925, 73.733) contains.

CIELCh(84, 22.015, 73.492)	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, 22.015, 73.492)

Conversions

Conversions Part 1

Format	Color
Hex	ECCCAA
RGB	236, 204, 170
RGB Percent	93%, 80%, 67%
CMY	0.0736, 0.1992, 0.3325
CMYK	0.00, 0.14, 0.28, 0.07
HSL	31°, 64%, 80%
HSV	31°, 28%, 93%
XYZ	63.5824, 64.0658, 47.1455
YIQ	209.6920, 29.9860, -3.7900

Conversions

Conversions Part 2

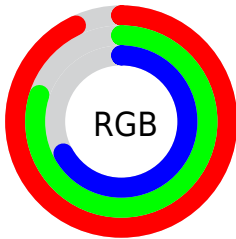
Format	Color
RYB	232, 236, 170
Decimal	15518890
CIELab	84.00, 6.26, 21.11
CIELCh	84, 22.015, 73.492
Yxy	64.0658, 0.3638, 0.3665
Android (android.graphics.Color)	4293708970 (0xFFECCCAA)
YUV	209.6920, -19.5682, 23.0721
Hunter-Lab	80.0411, 1.7235, 21.1060

Details

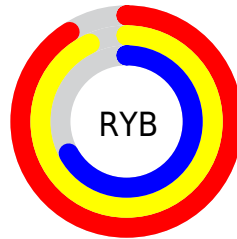
The CIELCh color $84, 22.015, 73.492$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $80, 20.531, 261.424$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 15.178, 109.030$, and $64, 21.799, 73.735$ is the 20% darker color. If you saturate the color by 10%, you get $81, 30.572, 72.203$, and if you desaturate by 10%, it is $87, 13.822, 74.774$.

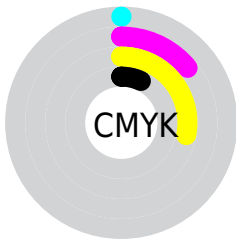
Distribution



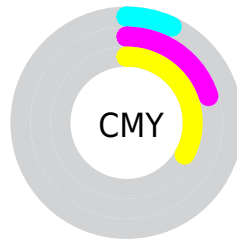
- Red (93%)
- Green (80%)
- Blue (67%)



- Red (91%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (7%)



- Cyan (7%)
- Magenta (20%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 22.015, 73.492 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, 22.015, 73.492 by changing the saturation by 10% instead.

 84, 22.015, 73.492

 84, 22.015, 73.492

 100, 22.015,
73.492

 74, 22.015, 73.492

 64, 22.015, 73.492

 54, 22.015, 73.492

 44, 22.015, 73.492

 34, 22.015, 73.492

 24, 22.015, 73.492

 14, 22.015, 73.492

 4, 22.015, 73.492

 0, 22.015, 73.492

84, 22.015, 73.492

84, 22.015, 73.492

81, 30.572, 72.203

87, 13.822, 74.774

78, 39.468, 70.888

91, 5.984, 75.999

74, 48.615, 69.540

94, 1.525, 257.565

72, 57.796, 68.117

97, 5.331, 227.791

69, 66.553, 66.513

99, 6.441, 199.100

66, 74.049, 64.508

64, 79.251, 61.793

63, 80.201, 61.225

Harmonies

Complementary

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



84, 22.015, 73.492



80, 20.531, 261.424

Rectangle

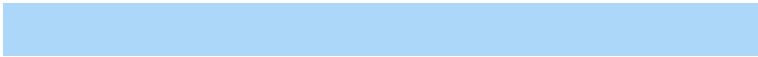
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 22.015, 73.492



84, 22.015, 123.492



84, 22.015, 253.492



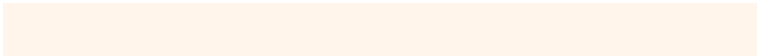
84, 22.015, 303.492

Sweetspot

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



84, 22.015, 73.500



97, 6.411, 75.989



77, 29.972, 346.236



51, 4.572, 75.810



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, 22.015, 73.500



88, 28.899, 72.699



92, 33.656, 107.460



47, 4.269, 75.820



49, 65.504, 61.918



13, 22.190, 62.573

Inverse Universe

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



80, 20.531, 261.424



83, 26.485, 262.704



72, 36.009, 293.584



47, 4.185, 258.356



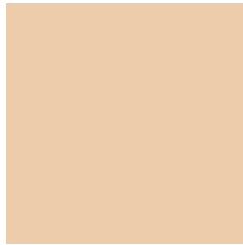
38, 57.479, 285.459



9, 21.136, 277.430

Previews

White Background



This preview shows how the CIELCh color 84, 22.015, 73.492 looks on a white background.

Color Contrast Check

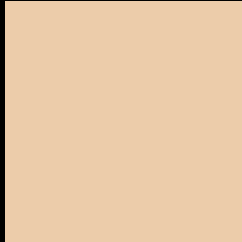
Large Text (above 18pt) WCAG AA × Fail

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, 22.015, 73.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

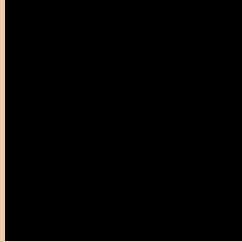
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 22.015, 73.492

Background



This preview shows how black text looks on a background with the CIELCh color 84, 22.015, 73.492.

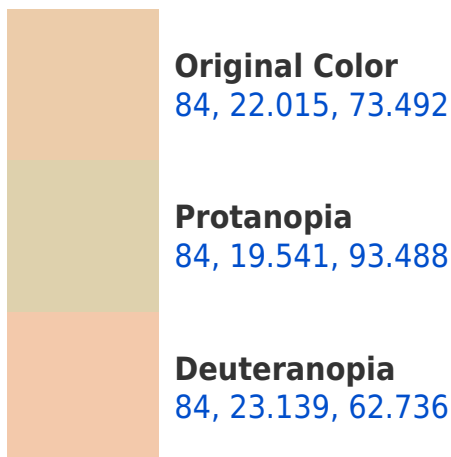



This preview shows how white text looks on a background with the CIELCh color 84, 22.015, 73.492.

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](#).

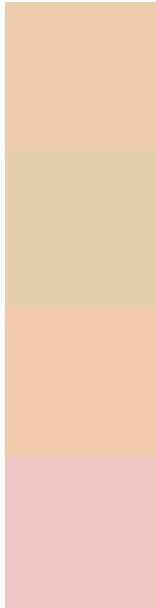
Dichromacy





Tritanopia
84, 17.895, 352.888

Trichromacy



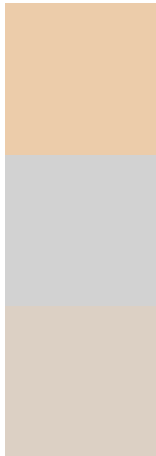
Original Color
84, 22.015, 73.492

Protanomaly
84, 20.004, 85.482

Deuteranomaly
84, 22.631, 65.677

Tritanomaly
84, 14.796, 24.543

Monochromacy



Original Color
84, 22.015, 73.492

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 7.727, 74.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 22.015, 73.492 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(236, 204, 170)` looks like.

```
.text, #text, p{  
    color:rgb(236, 204, 170)  
}
```

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(236, 204, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 204, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 22.015, 73.492 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(236, 204, 170) }
```

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

```
.border{ border-color:rgb(236, 204, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 204, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 204, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 204, 170); box-shadow:4px 4px 4px 4px rgb(236, 204, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 22.015, 73.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 204, 170) }
```

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

```
.background{ background-color: rgb(236,  
204, 170) }
```

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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