

Converting Colors

CIELCh(82, 22.556, 80.500)

Have a look what the booklet for
CIELCh(82, 22.556, 80.500) contains.

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Color

CIELCh(82, 22.375, 79.687)

Conversions

Conversions Part 1

Format	Color
Hex	E3C8A3
RGB	227, 200, 163
RGB Percent	89%, 78%, 64%
CMY	0.1097, 0.2156, 0.3607
CMYK	0.00, 0.12, 0.28, 0.11
HSL	35°, 53%, 76%
HSV	35°, 28%, 89%
XYZ	58.9576, 60.2982, 43.1913
YIQ	203.8550, 27.9690, -5.7830

Conversions

Conversions Part 2

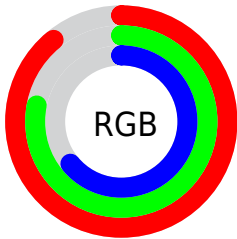
Format	Color
R _Y B	210, 227, 163
Decimal	14928035
CIE Lab	82.00, 4.01, 22.01
CIE LCh	82, 22.375, 79.687
Yxy	60.2982, 0.3629, 0.3712
Android (android.graphics.Color)	4293118115 (0xFFE3C8A3)
YUV	203.8550, -20.1415, 20.2982
Hunter-Lab	77.6519, -0.3639, 21.3782

Details

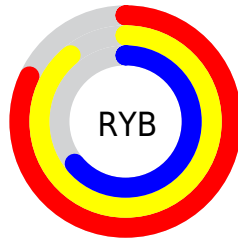
The CIELCh color $82, 22.375, 79.687$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $76, 21.472, 267.836$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.707, 108.762$, and $62, 22.424, 79.327$ is the 20% darker color. If you saturate the color by 10%, you get $79, 30.819, 78.327$, and if you desaturate by 10%, it is $85, 14.193, 81.024$.

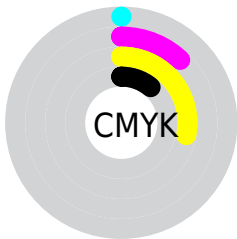
Distribution



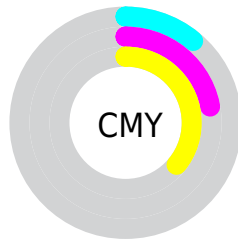
- Red (89%)
- Green (78%)
- Blue (64%)



- Red (82%)
- Yellow (89%)
- Blue (64%)



- Cyan (0%)
- Magenta (12%)
- Yellow (28%)
- Black (11%)



- Cyan (11%)
- Magenta (22%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 22.375, 79.687 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 82, 22.375, 79.687 by changing the saturation by 10% instead.

 82, 22.375, 79.687

 82, 22.375, 79.687

 100, 22.375,
79.687

 72, 22.375, 79.687

 62, 22.375, 79.687

 52, 22.375, 79.687

 42, 22.375, 79.687

 32, 22.375, 79.687

 22, 22.375, 79.687

 12, 22.375, 79.687

 2, 22.375, 79.687

 0, 22.375, 79.687

82, 22.375, 79.687

82, 22.375, 79.687

79, 30.819, 78.327

85, 14.193, 81.024

76, 39.477, 76.924

88, 6.279, 82.296

74, 48.234, 75.471

91, 1.375, 263.857

71, 56.841, 73.926

94, 8.789, 264.868

69, 64.814, 72.197

96, 7.897, 226.542

66, 71.341, 70.096

98, 9.507, 198.875

64, 75.567, 67.384

64, 76.246, 66.885

Harmonies

Complementary

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



82, 22.375, 79.687



76, 21.472, 267.836

Rectangle

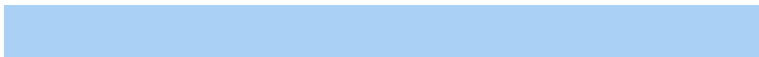
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 22.375, 79.687



82, 22.375, 129.687



82, 22.375, 259.687



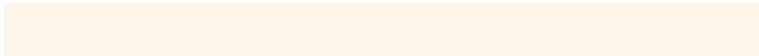
82, 22.375, 309.687

Sweetspot

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



82, 22.376, 79.694



97, 6.737, 82.313



74, 28.170, 350.206



52, 4.801, 82.127



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 22.376, 79.694



89, 29.954, 78.875



89, 32.922, 110.355



47, 4.403, 82.140



51, 63.603, 67.489



13, 21.193, 69.222

Inverse Universe

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



76, 21.472, 267.836



81, 28.470, 269.075



69, 35.226, 295.826



45, 4.355, 264.703



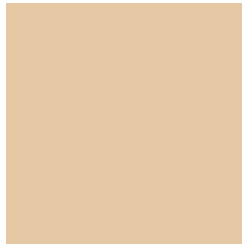
35, 64.102, 290.722



7, 22.554, 282.565

Previews

White Background



This preview shows how the CIELCh color 82, 22.375, 79.687 looks on a white background.

Color Contrast Check

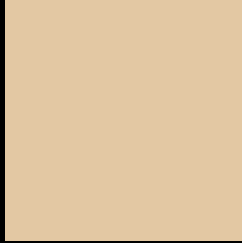
Large Text (above 18pt) WCAG AA × Fail

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 82, 22.375, 79.687 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 82, 22.375, 79.687

Background



This preview shows how black text looks on a background with the CIELCh color 82, 22.375, 79.687.



This preview shows how white text looks on a background with the CIELCh color 82, 22.375, 79.687.

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

82, 22.375, 79.687

Protanopia

82, 21.064, 95.376

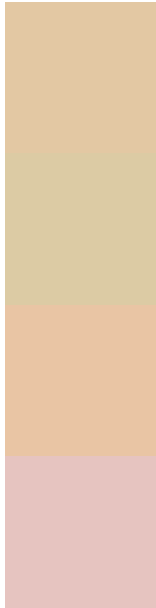
Deuteranopia

82, 23.767, 64.994



Tritanopia
82, 16.094, 351.275

Trichromacy



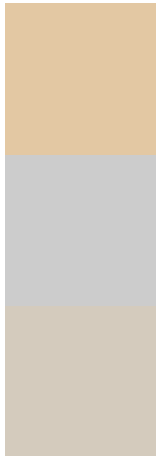
Original Color
82, 22.375, 79.687

Protanomaly
82, 21.631, 90.220

Deuteranomaly
82, 22.761, 69.432

Tritanomaly
82, 13.106, 29.570

Monochromacy



Original Color
82, 22.375, 79.687

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 8.117, 84.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 22.375, 79.687 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, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 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(227, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 22.375, 79.687 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, 200, 163) }
```

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

```
.border{ border-color:rgb(227, 200, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 200, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 200, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 200, 163);  
box-shadow:4px 4px 4px 4px rgb(227, 200,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 22.375, 79.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 200, 163) }
```

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

```
.background{ background-color: rgb(227,  
200, 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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