

Converting Colors

CIELCh(82, 21.089, 77.284)

Have a look what the booklet for
CIELCh(82, 21.089, 77.284) contains.

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Color

CIELCh(82, 20.976, 77.872)

Conversions

Conversions Part 1

Format	Color
Hex	E3C8A6
RGB	227, 200, 166
RGB Percent	89%, 78%, 65%
CMY	0.1104, 0.2162, 0.3496
CMYK	0.00, 0.12, 0.27, 0.11
HSL	33°, 52%, 77%
HSV	33°, 27%, 89%
XYZ	59.1242, 60.2982, 44.5326
YIQ	204.1970, 27.0060, -4.8500

Conversions

Conversions Part 2

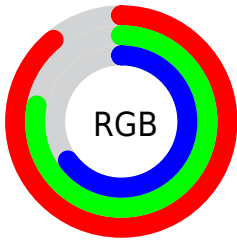
Format	Color
R_{YB}	214, 227, 166
Decimal	14928038
CIE _{Lab}	82.00, 4.41, 20.51
CIE _{LCh}	82, 20.976, 77.872
Yxy	60.2982, 0.3606, 0.3678
Android (android.graphics.Color)	4293118118 (0xFFE3C8A6)
YUV	204.1970, -18.8311, 19.9982
Hunter-Lab	77.6519, 0.0191, 20.3541

Details

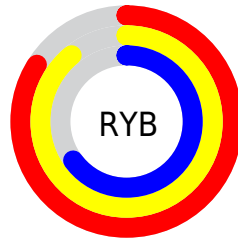
The CIELCh color **82, 20.976, 77.872** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 19.996, 265.575**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **62, 20.943, 77.479** is the 20% darker color. If you saturate the color by 10%, you get **79, 29.317, 76.533**, and if you desaturate by 10%, it is **85, 12.928, 79.192**.

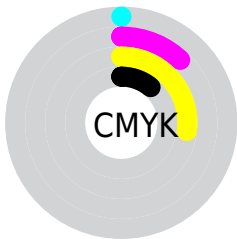
Distribution



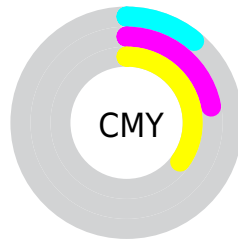
- Red (89%)
- Green (78%)
- Blue (65%)



- Red (84%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (27%)
- Black (11%)



- Cyan (11%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 20.976, 77.872 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, 20.976, 77.872 by changing the saturation by 10% instead.

82, 20.976, 77.872

82, 20.976, 77.872

100, 20.976,
77.872

72, 20.976, 77.872

62, 20.976, 77.872

52, 20.976, 77.872

42, 20.976, 77.872

32, 20.976, 77.872

22, 20.976, 77.872

12, 20.976, 77.872

2, 20.976, 77.872

0, 20.976, 77.872

82, 20.976, 77.872

82, 20.976, 77.872

79, 29.317, 76.533

85, 12.928, 79.192

76, 37.918, 75.154

88, 5.171, 80.441

73, 46.685, 73.733

91, 2.311, 261.916

71, 55.402, 72.232

94, 8.825, 260.373

68, 63.640, 70.561

97, 8.223, 216.961

66, 70.630, 68.539

98, 9.562, 198.871

63, 75.385, 65.879

63, 76.623, 65.007

Harmonies

Complementary

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



82, 20.976, 77.872



77, 19.996, 265.575

Rectangle

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



82, 20.976, 77.872



82, 20.976, 127.872



82, 20.976, 257.872



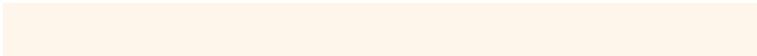
82, 20.976, 307.872

Sweetspot

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



82, 20.977, 77.880



97, 6.621, 80.303



74, 27.076, 349.036



51, 4.720, 80.118



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, 20.977, 77.880



89, 27.726, 77.167



89, 31.384, 109.746



46, 4.248, 80.134



49, 63.237, 65.667



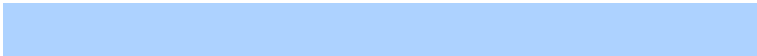
12, 19.797, 66.732

Inverse Universe

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



77, 19.996, 265.575



83, 26.153, 266.643



70, 33.468, 295.092



45, 4.191, 262.690



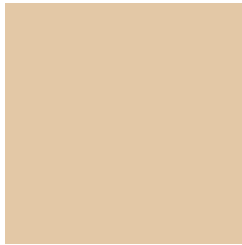
35, 60.943, 289.049



7, 20.809, 279.918

Previews

White Background



This preview shows how the CIELCh color 82, 20.976, 77.872 looks on a white background.

Color Contrast Check

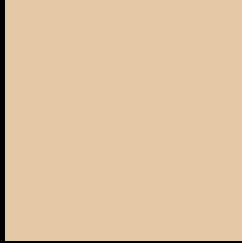
Large Text (above 18pt) WCAG AA × Fail

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, 20.976, 77.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

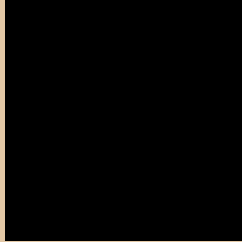
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

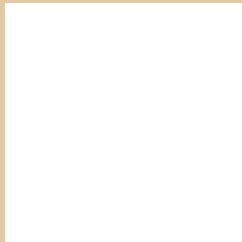
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 20.976, 77.872

Background



This preview shows how black text looks on a background with the CIELCh color 82, 20.976, 77.872.



This preview shows how white text looks on a background with the CIELCh color 82, 20.976, 77.872.

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, 20.976, 77.872

Protanopia

82, 19.530, 94.547

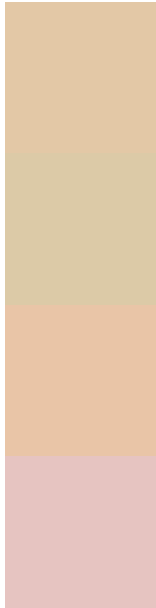
Deuteranopia

82, 22.583, 62.486



Tritanopia
82, 16.094, 351.275

Trichromacy



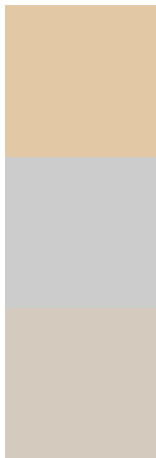
Original Color
82, 20.976, 77.872

Protanomaly
82, 19.794, 87.527

Deuteranomaly
82, 21.505, 67.037

Tritanomaly
82, 13.004, 27.312

Monochromacy



Original Color
82, 20.976, 77.872

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 7.357, 78.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 20.976, 77.872 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 20.976, 77.872 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, 166) }
```

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

```
.border{ border-color:rgb(227, 200, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 200, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 200, 166); box-shadow:4px 4px 4px 4px rgb(227, 200, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 20.976, 77.872 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, 166) }
```

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

```
.background{ background-color: rgb(227,  
200, 166) }
```

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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