

Converting Colors

CIELCh(82, 12.776, 83.356)

Have a look what the booklet for
CIELCh(82, 12.776, 83.356) contains.

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Color

CIELCh(82, 12.970, 82.714)

Conversions

Conversions Part 1

Format	Color
Hex	D9CAB4
RGB	217, 202, 180
RGB Percent	85%, 79%, 71%
CMY	0.1490, 0.2078, 0.2941
CMYK	0.00, 0.07, 0.17, 0.15
HSL	36°, 33%, 78%
HSV	36°, 17%, 85%
XYZ	57.9837, 60.2982, 51.7703
YIQ	203.9770, 16.0020, -3.6620

Conversions

Conversions Part 2

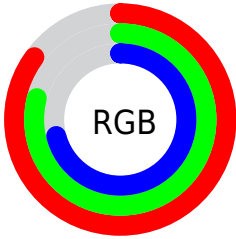
Format	Color
R _Y B	205, 217, 180
Decimal	14273204
CIE Lab	82.00, 1.64, 12.87
CIE LCh	82, 12.970, 82.714
Yxy	60.2982, 0.3410, 0.3546
Android (android.graphics.Color)	4292463284 (0xFFD9CAB4)
YUV	203.9770, -11.8207, 11.4212
Hunter-Lab	77.6519, -2.6024, 14.8279

Details

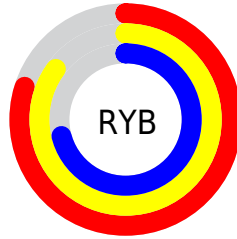
The CIELCh color $82, 12.970, 82.714$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78, 12.724, 267.384$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 9.618, 109.449$, and $62, 13.096, 82.671$ is the 20% darker color. If you saturate the color by 10%, you get $79, 20.907, 81.399$, and if you desaturate by 10%, it is $85, 5.276, 83.986$.

Distribution



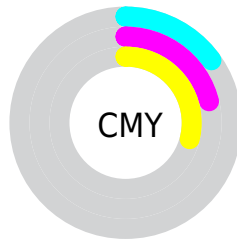
- Red (85%)
- Green (79%)
- Blue (71%)



- Red (80%)
- Yellow (85%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (17%)
- Black (15%)



- Cyan (15%)
- Magenta (21%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 12.970, 82.714 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, 12.970, 82.714 by changing the saturation by 10% instead.

 82, 12.970, 82.714

 82, 12.970, 82.714

 100, 12.970,
82.714

 72, 12.970, 82.714

 62, 12.970, 82.714

 52, 12.970, 82.714

 42, 12.970, 82.714

 32, 12.970, 82.714

 22, 12.970, 82.714

 12, 12.970, 82.714

 2, 12.970, 82.714

 0, 12.970, 82.714

82, 12.970, 82.714

82, 12.970, 82.714

79, 20.907, 81.399

85, 5.276, 83.986

77, 29.073, 80.033

88, 2.187, 265.442

74, 37.427, 78.629

90, 9.433, 266.540

72, 45.861, 77.175

93, 11.272,
253.973

69, 54.146, 75.637

95, 10.666,
224.674

67, 61.847, 73.935

65, 68.223, 71.905

97, 12.694,
199.137

63, 72.395, 69.308

97, 12.766,
198.653

62, 73.431, 68.510

Harmonies

Complementary

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



82, 12.970, 82.714



78, 12.724, 267.384

Rectangle

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



82, 12.970, 82.714



82, 12.970, 132.714



82, 12.970, 262.714



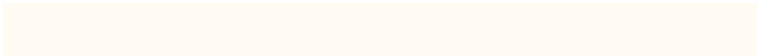
82, 12.970, 312.714

Sweetspot

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



82, 12.971, 82.725



98, 4.249, 84.217



77, 16.084, 349.974



52, 2.903, 84.138



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, 12.971, 82.725



94, 17.429, 82.314



86, 19.318, 112.025



45, 4.302, 83.695



50, 62.048, 69.077



12, 18.737, 70.736

Inverse Universe

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



78, 12.724, 267.384



89, 17.026, 267.902



75, 20.081, 295.066



43, 4.265, 266.239



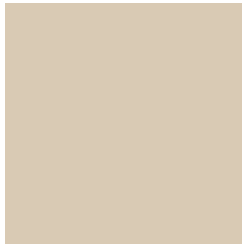
33, 64.509, 291.846



6, 20.767, 281.450

Previews

White Background



This preview shows how the CIELCh color 82, 12.970, 82.714 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, 12.970, 82.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

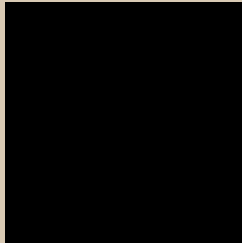
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

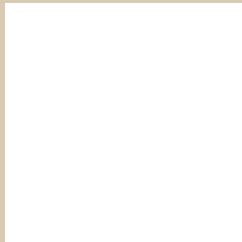
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 12.970, 82.714

Background



This preview shows how black text looks on a background with the CIELCh color 82, 12.970, 82.714.

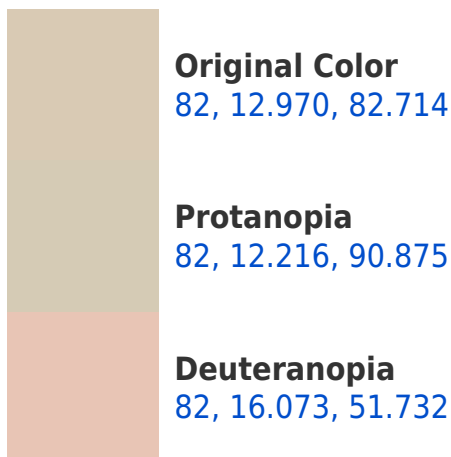


This preview shows how white text looks on a background with the CIELCh color 82, 12.970, 82.714.

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](#).

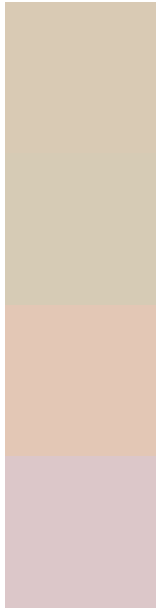
Dichromacy





Tritanopia
82, 12.203, 336.406

Trichromacy



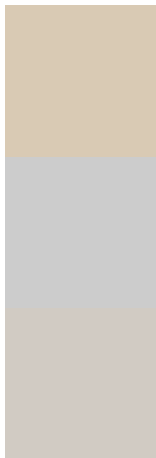
Original Color
82, 12.970, 82.714

Protanomaly
82, 12.342, 89.172

Deuteranomaly
82, 14.462, 60.811

Tritanomaly
82, 7.871, 12.258

Monochromacy



Original Color
82, 12.970, 82.714

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.760, 81.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 12.970, 82.714 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(217, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(217, 202, 180)  
}
```

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(217, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 202, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 12.970, 82.714 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(217, 202, 180) }
```

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

```
.border{ border-color:rgb(217, 202, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(217, 202,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 12.970, 82.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 202, 180) }
```

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

```
.background{ background-color: rgb(217,  
202, 180) }
```

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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