

# Converting Colors

CIELCh(82, 13.291, 73.538)

Have a look what the booklet for  
CIELCh(82, 13.291, 73.538) contains.

<b>CIELCh(82, 13.528, 74.393)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(82, 13.528, 74.393)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDC9B4
RGB	221, 201, 180
RGB Percent	87%, 79%, 71%
CMY	0.1342, 0.2126, 0.2949
CMYK	0.00, 0.09, 0.19, 0.13
HSL	31°, 37%, 79%
HSV	31°, 19%, 87%
XYZ	58.8058, 60.2982, 51.6074
YIQ	204.5860, 18.6610, -2.2910

# Conversions

## Conversions Part 2

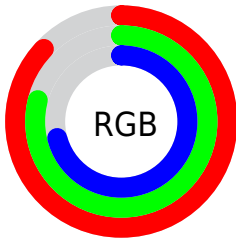
Format	Color
R <sub>Y</sub> B	219, 221, 180
Decimal	14535092
CIE Lab	82.00, 3.64, 13.03
CIE LCh	82, 13.528, 74.393
Yxy	60.2982, 0.3445, 0.3532
Android (android.graphics.Color)	4292725172 (0xFFD9C9B4)
YUV	204.5860, -12.1209, 14.3951
Hunter-Lab	77.6519, -0.7127, 14.9523

# Details

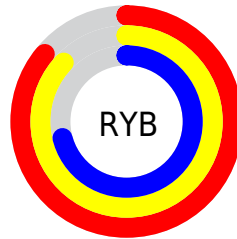
The CIELCh color  $82, 13.528, 74.393$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $80, 12.936, 259.413$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 9.618, 109.449$ , and  $62, 13.717, 73.893$  is the 20% darker color. If you saturate the color by 10%, you get  $79, 21.294, 73.138$ , and if you desaturate by 10%, it is  $85, 6.102, 75.626$ .

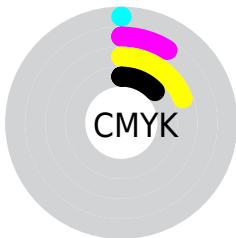
# Distribution



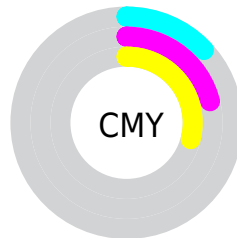
- Red (87%)
- Green (79%)
- Blue (71%)



- Red (86%)
- Yellow (87%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (19%)
- Black (13%)



- Cyan (13%)
- Magenta (21%)
- Yellow (29%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 13.528, 74.393 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, 13.528, 74.393 by changing the saturation by 10% instead.



 82, 13.528, 74.393

 82, 13.528, 74.393

 100, 13.528,  
74.393

 72, 13.528, 74.393

 62, 13.528, 74.393

 52, 13.528, 74.393

 42, 13.528, 74.393

 32, 13.528, 74.393

 22, 13.528, 74.393

 12, 13.528, 74.393

 2, 13.528, 74.393

 0, 13.528, 74.393

82, 13.528, 74.393

82, 13.528, 74.393

79, 21.294, 73.138

85, 6.102, 75.626

76, 29.406, 71.851

89, 1.010, 257.300

73, 37.841, 70.545

92, 7.834, 258.162

70, 46.513, 69.209

95, 9.546, 236.012

67, 55.213, 67.796

98, 11.420,  
199.703

64, 63.503, 66.198

98, 11.549,  
198.735

62, 70.582, 64.193

59, 75.573, 61.517

59, 76.248, 61.142

# Harmonies

# Complementary

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



82, 13.528, 74.393



80, 12.936, 259.413

# Rectangle

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



82, 13.528, 74.393



82, 13.528, 124.393



82, 13.528, 254.393



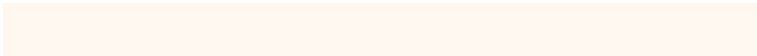
82, 13.528, 304.393

# Sweetspot

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



82, 13.529, 74.404



98, 4.775, 75.911



77, 18.725, 345.257



52, 3.173, 75.838



0, 0.000, 0.000



53, 0.007, 296.813

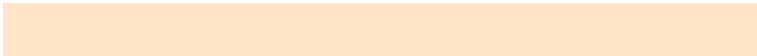


# Same Dimension

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



82, 13.529, 74.404



92, 18.167, 73.950



87, 21.268, 108.380



44, 4.030, 75.524



47, 63.473, 61.805



11, 18.361, 61.220



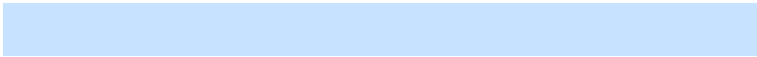


# Inverse Universe

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



80, 12.936, 259.413



89, 17.199, 260.026



74, 22.198, 292.253



44, 3.949, 258.039



37, 55.173, 285.034

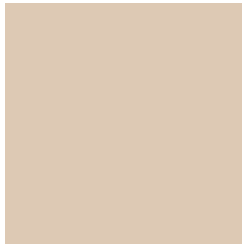


7, 18.468, 274.998



# Previews

## White Background



This preview shows how the CIELCh color 82, 13.528, 74.393 looks on a white background.

## Color Contrast Check

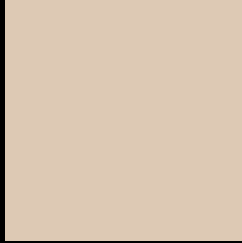
Large Text (above 18pt) WCAG AA × Fail

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, 13.528, 74.393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

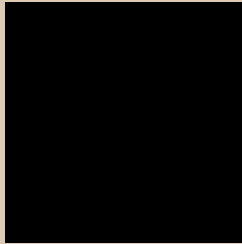
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 82, 13.528, 74.393

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 13.528, 74.393.

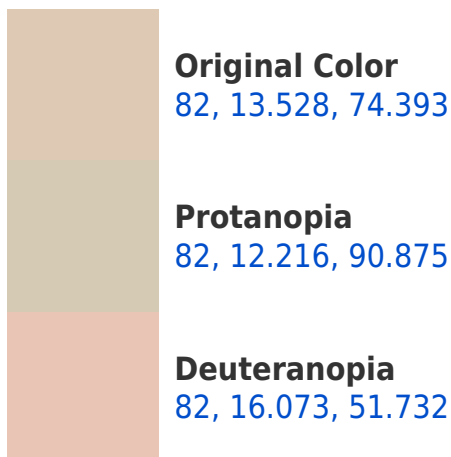



This preview shows how white text looks on a background with the CIELCh color 82, 13.528, 74.393.

# 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, 13.586, 341.978



# Trichromacy



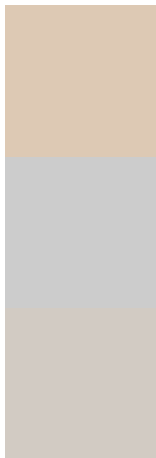
**Original Color**  
82, 13.528, 74.393

**Protanomaly**  
82, 12.318, 83.322

**Deuteranomaly**  
82, 14.738, 57.362

**Tritanomaly**  
82, 9.380, 13.640

# Monochromacy



**Original Color**  
82, 13.528, 74.393

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 4.945, 77.984

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 13.528, 74.393 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(221, 201, 180)` looks like.

```
.text, #text, p{  
    color:rgb(221, 201, 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(221, 201, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 201, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 13.528, 74.393 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(221, 201, 180) }
```

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

```
.border{ border-color:rgb(221, 201, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 201, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 201, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 201, 180);  
box-shadow:4px 4px 4px 4px rgb(221, 201,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 13.528, 74.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 201, 180) }
```

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

```
.background{ background-color: rgb(221,  
201, 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](#).

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