

# Converting Colors

CIELCh(74, 7.198, 84.597)

Have a look what the booklet for  
CIELCh(74, 7.198, 84.597) contains.

<b>CIELCh(74, 7.152, 84.052)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(74, 7.152, 84.052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB5A9
RGB	189, 181, 169
RGB Percent	74%, 71%, 66%
CMY	0.2590, 0.2904, 0.3374
CMYK	0.00, 0.04, 0.11, 0.26
HSL	36°, 13%, 70%
HSV	36°, 11%, 74%
XYZ	44.6456, 46.7039, 44.1747
YIQ	182.0240, 8.6200, -2.0360

# Conversions

## Conversions Part 2

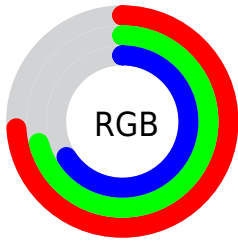
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 189, 169
Decimal	12432809
CIE <sub>Lab</sub>	74.00, 0.74, 7.11
CIE <sub>LCh</sub>	74, 7.152, 84.052
Yxy	46.7039, 0.3294, 0.3446
Android (android.graphics.Color)	4290622889 (0xFFBDB5A9)
YUV	182.0240, -6.4208, 6.1180
Hunter-Lab	68.3403, -2.9843, 9.5135

# Details

The CIELCh color  $74, 7.152, 84.052$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $72, 7.086, 266.888$ , and the grayscale version is  $74, 0.009, 296.813$ .

A 20% lighter version of the original color is  $94, 7.256, 85.996$ , and  $54, 7.125, 81.708$  is the 20% darker color. If you saturate the color by 10%, you get  $72, 14.130, 82.789$ , and if you desaturate by 10%, it is  $76, 0.381, 84.636$ .

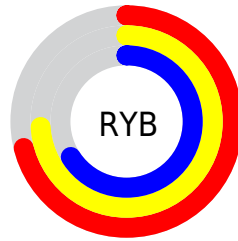
# Distribution



Red (74%)

Green (71%)

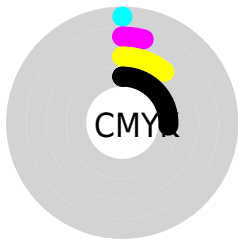
Blue (66%)



Red (71%)

Yellow (74%)

Blue (66%)

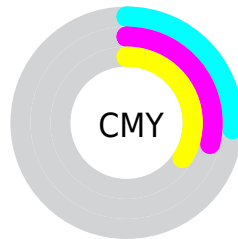


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 7.152, 84.052 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 74, 7.152, 84.052 by changing the saturation by 10% instead.



 74, 7.152, 84.052       74, 7.152, 84.052

 100, 7.152, 84.052       64, 7.152, 84.052


 94, 7.152, 84.052       54, 7.152, 84.052

 44, 7.152, 84.052

 34, 7.152, 84.052

 24, 7.152, 84.052

 14, 7.152, 84.052

 4, 7.152, 84.052

 0, 7.152, 84.052

 74, 7.152, 84.052       74, 7.152, 84.052

72, 14.130, 82.789

76, 0.381, 84.636

69, 21.313, 81.461

79, 6.196, 266.622

67, 28.686, 80.093

81, 12.595,  
267.764

65, 36.193, 78.686

84, 18.831,  
268.870

63, 43.713, 77.222

60, 50.995, 75.658

86, 20.992,  
264.589

58, 57.583, 73.899

88, 18.883,  
251.756

57, 62.752, 71.760

55, 66.103, 69.353

90, 17.883,  
236.810

92, 18.143,  
221.389

94, 19.580,  
207.452



# Harmonies

# Complementary

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



74, 7.152, 84.052



72, 7.086, 266.888

# Rectangle

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



74, 7.152, 84.052



74, 7.152, 134.052



74, 7.152, 264.052



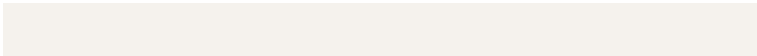
74, 7.152, 314.052

# Sweetspot

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



74, 7.153, 84.069



96, 2.467, 84.922



71, 8.751, 350.326



51, 1.873, 84.850



98, 0.011, 296.813



51, 0.007, 296.813



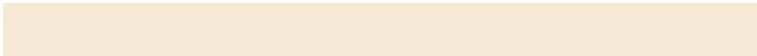


# Same Dimension

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



74, 7.153, 84.069



93, 10.888, 83.739



76, 10.743, 113.257



39, 3.818, 84.221



46, 57.889, 69.846



7, 10.485, 71.355



# Inverse Universe

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



72, 7.086, 266.888



89, 10.749, 267.269



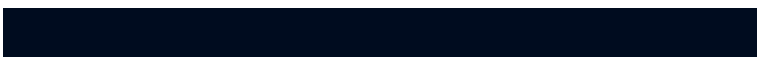
70, 11.003, 295.020



38, 3.789, 266.717



30, 60.387, 291.929



3, 12.717, 275.364



# Previews

## White Background



This preview shows how the CIELCh color 74, 7.152, 84.052 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 74, 7.152, 84.052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

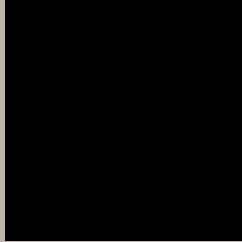
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

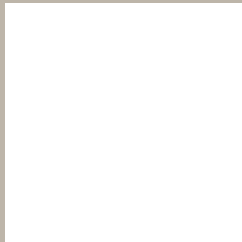
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 7.152, 84.052

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 7.152, 84.052.

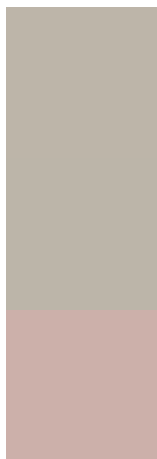


This preview shows how white text looks on a background with the CIELCh color 74, 7.152, 84.052.

# 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

74, 7.152, 84.052

### Protanopia

74, 6.995, 86.921

### Deuteranopia

74, 11.374, 36.669





**Tritanopia**  
74, 9.213, 324.811

# Trichromacy



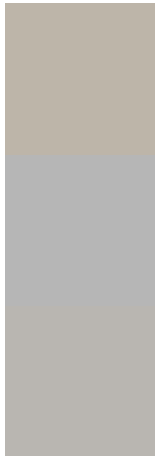
**Original Color**  
74, 7.152, 84.052

**Protanomaly**  
74, 6.995, 86.921

**Deuteranomaly**  
74, 9.215, 47.756

**Tritanomaly**  
74, 5.260, 348.871

# Monochromacy



**Original Color**  
74, 7.152, 84.052

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 2.909, 87.027

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 7.152, 84.052 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(189, 181, 169)` looks like.

```
.text, #text, p{  
    color:rgb(189, 181, 169)  
}
```

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(189, 181, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 181, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 7.152, 84.052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

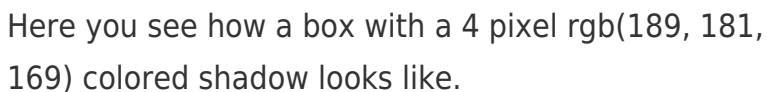
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 181, 169) }
```

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

```
.border{ border-color:rgb(189, 181, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 181, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 181, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 181, 169); box-shadow:4px 4px 4px 4px rgb(189, 181, 169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 7.152, 84.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 181, 169) }
```

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

```
.background{ background-color: rgb(189,  
181, 169) }
```

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