

# Converting Colors

CIELCh(74, 38.745, 76.085)

Have a look what the booklet for  
CIELCh(74, 38.745, 76.085) contains.

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# Color

**CIELCh(74, 38.700, 76.115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCAE71
RGB	220, 174, 113
RGB Percent	86%, 68%, 44%
CMY	0.1371, 0.3175, 0.5567
CMYK	0.00, 0.21, 0.49, 0.14
HSL	34°, 60%, 65%
HSV	34°, 49%, 86%
XYZ	47.6557, 46.7039, 22.1375
YIQ	180.8000, 46.9970, -9.2190

# Conversions

## Conversions Part 2

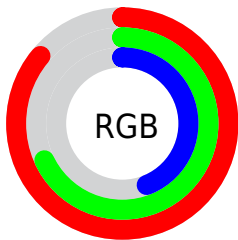
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 220, 113
Decimal	14462577
CIELab	74.00, 9.29, 37.57
CIELCh	74, 38.700, 76.115
Yxy	46.7039, 0.4091, 0.4009
Android (android.graphics.Color)	4292652657 (0xFFDCAE71)
YUV	180.8000, -33.4254, 34.3784
Hunter-Lab	68.3403, 4.8779, 28.6324

# Details

The CIELCh color **74, 38.700, 76.115** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **65, 35.779, 271.802**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 34.004, 89.810**, and **54, 39.079, 76.283** is the 20% darker color. If you saturate the color by 10%, you get **71, 47.247, 74.675**, and if you desaturate by 10%, it is **77, 30.262, 77.515**.

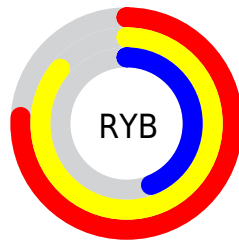
# Distribution



Red (86%)

Green (68%)

Blue (44%)



Red (76%)

Yellow (86%)

Blue (44%)

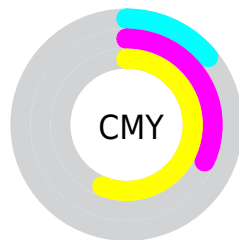


Cyan (0%)

Magenta (21%)

Yellow (49%)

Black (14%)



Cyan (14%)

Magenta (32%)

Yellow (56%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 38.700, 76.115 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, 38.700, 76.115 by changing the saturation by 10% instead.



 74, 38.700, 76.115

 74, 38.700, 76.115

 100, 38.700,  
76.115

 64, 38.700, 76.115

 94, 38.700, 76.115

 54, 38.700, 76.115

 44, 38.700, 76.115

 34, 38.700, 76.115

 24, 38.700, 76.115

 14, 38.700, 76.115

 4, 38.700, 76.115

 0, 38.700, 76.115

 74, 38.700, 76.115

 74, 38.700, 76.115

71, 47.247, 74.675

77, 30.262, 77.515

69, 55.659, 73.138

79, 22.045, 78.875

66, 63.463, 71.412

82, 14.092, 80.200

64, 69.859, 69.303

85, 6.410, 81.471

62, 74.073, 66.591

88, 1.012, 263.116

62, 74.609, 66.220

91, 8.193, 264.042

94, 10.070,  
248.232

96, 10.298,  
214.137

98, 11.788,  
198.718

# Harmonies

# Complementary

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



74, 38.700, 76.115



65, 35.779, 271.802

# Rectangle

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



74, 38.700, 76.115



74, 38.700, 126.115



74, 38.700, 256.115



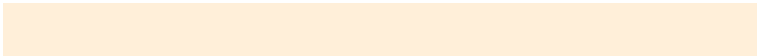
74, 38.700, 306.115

# Sweetspot

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



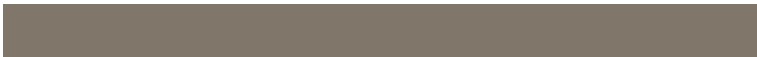
74, 38.700, 76.120



95, 12.709, 80.654



61, 47.301, 353.082



50, 8.704, 80.379



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



74, 38.700, 76.120



82, 52.671, 74.697



85, 54.130, 108.674



45, 4.212, 81.372



49, 62.351, 66.842



11, 18.568, 67.930



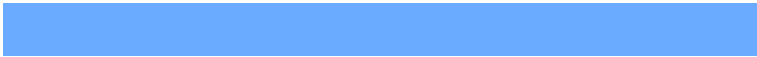


# Inverse Universe

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



65, 35.779, 271.802



69, 48.111, 274.701



53, 61.782, 298.942



44, 4.162, 263.923



34, 61.668, 290.007

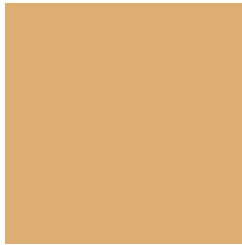


6, 20.094, 279.779



# Previews

## White Background



This preview shows how the CIELCh color 74, 38.700, 76.115 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 CIE LCh color 74, 38.700, 76.115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

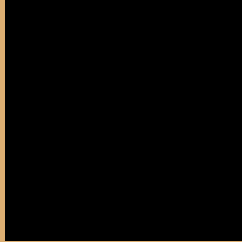
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 74, 38.700, 76.115

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 38.700, 76.115.



This preview shows how white text looks on a background with the CIELCh color 74, 38.700, 76.115.

# 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, 38.700, 76.115

### Protanopia

74, 35.810, 95.840

### Deuteranopia

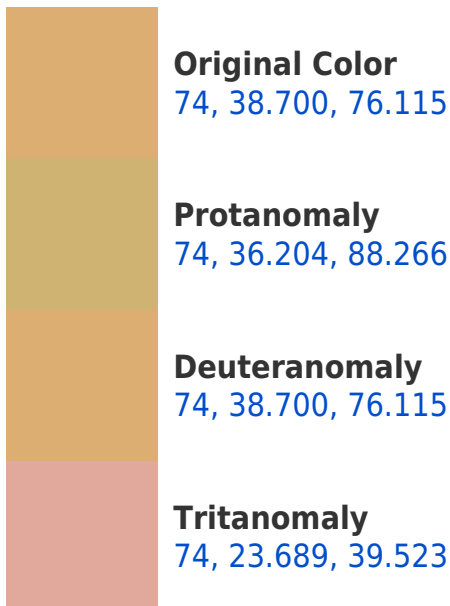
74, 38.700, 76.115



**Tritanopia**  
74, 24.076, 4.871



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 38.700, 76.115 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(220, 174, 113)` looks like.

```
.text, #text, p{  
    color:rgb(220, 174, 113)  
}
```

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(220, 174, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 174, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 38.700, 76.115 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(220, 174, 113) }
```

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

```
.border{ border-color:rgb(220, 174, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 174, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 174, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 174, 113);  
box-shadow:4px 4px 4px 4px rgb(220, 174,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 38.700, 76.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 174, 113) }
```

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

```
.background{ background-color: rgb(220,  
174, 113) }
```

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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