

# Converting Colors

CIELCh(74, 23.750, 31.261)

Have a look what the booklet for  
CIELCh(74, 23.750, 31.261) contains.

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# Color

**CIELCh(74, 23.770, 31.678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A8A0
RGB	226, 168, 160
RGB Percent	89%, 66%, 63%
CMY	0.1138, 0.3412, 0.3726
CMYK	0.00, 0.26, 0.29, 0.11
HSL	7°, 53%, 76%
HSV	7°, 29%, 89%
XYZ	51.7033, 46.7039, 39.5410
YIQ	184.4300, 37.1360, 9.8080

# Conversions

## Conversions Part 2

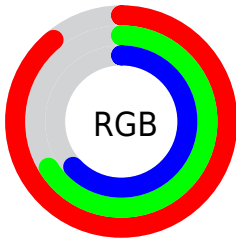
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 169, 160
Decimal	14854304
CIE Lab	74.00, 20.23, 12.48
CIE LCh	74, 23.770, 31.678
Yxy	46.7039, 0.3748, 0.3386
Android (android.graphics.Color)	4293044384 (0xFFE2A8A0)
YUV	184.4300, -12.0440, 36.4569
Hunter-Lab	68.3403, 15.4499, 13.5336

# Details

The CIELCh color **74, 23.770, 31.678** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **83, 19.303, 210.898**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 12.606, 39.176**, and **54, 23.430, 31.648** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.242, 32.385**, and if you desaturate by 10%, it is **79, 14.990, 31.201**.

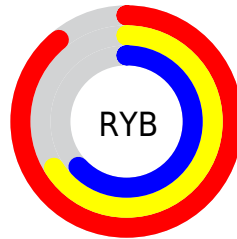
# Distribution



Red (89%)

Green (66%)

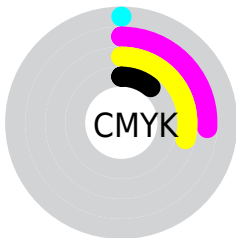
Blue (63%)



Red (89%)

Yellow (66%)

Blue (63%)

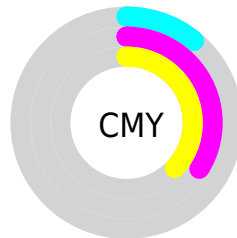


Cyan (0%)

Magenta (26%)

Yellow (29%)

Black (11%)



Cyan (11%)

Magenta (34%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 23.770, 31.678 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, 23.770, 31.678 by changing the saturation by 10% instead.



74, 23.770, 31.678

74, 23.770, 31.678

100, 23.770,  
31.678

64, 23.770, 31.678

94, 23.770, 31.678

54, 23.770, 31.678

44, 23.770, 31.678

34, 23.770, 31.678

24, 23.770, 31.678

14, 23.770, 31.678

4, 23.770, 31.678

0, 23.770, 31.678

74, 23.770, 31.678

74, 23.770, 31.678

69, 33.242, 32.385

79, 14.990, 31.201

64, 43.376, 33.366

85, 6.891, 30.857

60, 54.064, 34.684

90, 0.572, 211.844

56, 65.080, 36.362

96, 7.456, 210.796

52, 75.978, 38.308

98, 9.848, 198.851

50, 85.801, 40.142

48, 92.933, 41.228

48, 93.441, 41.344

# Harmonies

# Complementary

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



74, 23.770, 31.678



83, 19.303, 210.898

# Rectangle

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



74, 23.770, 31.678



74, 23.770, 81.678



74, 23.770, 211.678



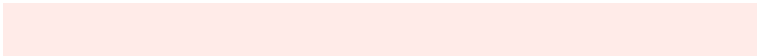
74, 23.770, 261.678

# Sweetspot

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



74, 23.768, 31.684



94, 7.426, 30.853



74, 39.078, 329.512



50, 5.192, 30.900



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, 23.768, 31.684



79, 32.208, 32.077



82, 23.798, 83.087



44, 4.231, 30.865



37, 77.183, 41.609



7, 23.505, 27.380





# Inverse Universe

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



83, 19.303, 210.898



92, 24.885, 211.053



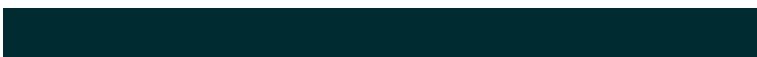
75, 23.185, 271.524



46, 3.979, 210.801



58, 33.338, 218.466



15, 13.868, 214.433



# Previews

## White Background



This preview shows how the CIELCh color 74, 23.770, 31.678 looks on a white background.

## Color Contrast Check

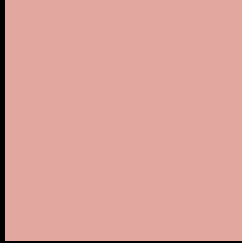
Large Text (above 18pt) WCAG AA × Fail

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, 23.770, 31.678 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, 23.770, 31.678**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 23.770, 31.678.

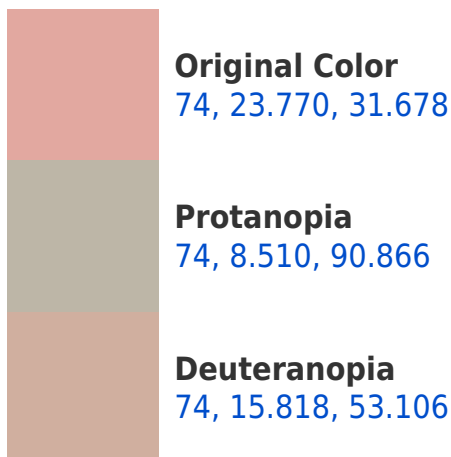


This preview shows how white text looks on a background with the CIELCh color 74, 23.770, 31.678.

# 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**  
74, 25.232, 5.795



# Trichromacy



**Original Color**  
74, 23.770, 31.678

**Protanomaly**  
74, 12.105, 55.238

**Deuteranomaly**  
74, 18.692, 42.543

**Tritanomaly**  
74, 24.033, 15.225

# Monochromacy



**Original Color**  
74, 23.770, 31.678

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
74, 8.212, 31.315

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 23.770, 31.678 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(226, 168, 160)` looks like.

```
.text, #text, p{  
    color:rgb(226, 168, 160)  
}
```

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(226, 168, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 168, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 23.770, 31.678 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(226, 168, 160) }
```

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

```
.border{ border-color:rgb(226, 168, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 168, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(226, 168,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 23.770, 31.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 168, 160) }
```

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

```
.background{ background-color: rgb(226,  
168, 160) }
```

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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