

# Converting Colors

CIELCh(71, 30.652, 64.094)

Have a look what the booklet for  
CIELCh(71, 30.652, 64.094) contains.

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# Color

**CIELCh(71, 30.887, 64.431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6A47C
RGB	214, 164, 124
RGB Percent	84%, 64%, 49%
CMY	0.1617, 0.3577, 0.5145
CMYK	0.00, 0.23, 0.42, 0.16
HSL	27°, 52%, 66%
HSV	27°, 42%, 84%
XYZ	44.5281, 42.1875, 24.7983
YIQ	174.3900, 42.6400, -1.8400

# Conversions

## Conversions Part 2

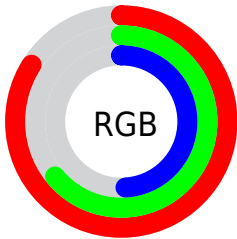
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 196, 124</a>
Decimal	<a href="#">14066812</a>
<a href="#">CIELab</a>	<a href="#">71.00, 13.33, 27.86</a>
<a href="#">CIElCh</a>	<a href="#">71, 30.887, 64.431</a>
<a href="#">Yxy</a>	<a href="#">42.1875, 0.3993, 0.3783</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292256892 (0xFFD6A47C)</a>
<a href="#">YUV</a>	<a href="#">174.3900, -24.8423, 34.7380</a>
<a href="#">Hunter-Lab</a>	<a href="#">64.9519, 8.7056, 22.8298</a>

# Details

The CIELCh color **71, 30.887, 64.431** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **69, 26.189, 256.281**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 26.130, 75.489**, and **51, 30.592, 64.128** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.305, 63.343**, and if you desaturate by 10%, it is **74, 22.880, 65.543**.

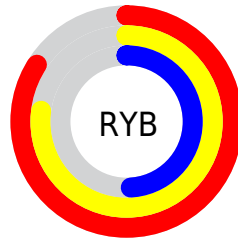
# Distribution



Red (84%)

Green (64%)

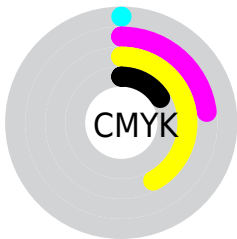
Blue (49%)



Red (84%)

Yellow (77%)

Blue (49%)

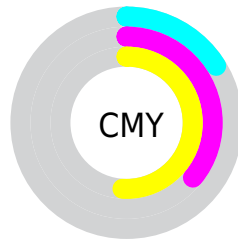


Cyan (0%)

Magenta (23%)

Yellow (42%)

Black (16%)



Cyan (16%)

Magenta (36%)

Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 30.887, 64.431 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 71, 30.887, 64.431 by changing the saturation by 10% instead.



 71, 30.887, 64.431

 71, 30.887, 64.431

 100, 30.887,  
64.431

 61, 30.887, 64.431

 91, 30.887, 64.431

 51, 30.887, 64.431

 41, 30.887, 64.431

 31, 30.887, 64.431

 21, 30.887, 64.431

 11, 30.887, 64.431

 1, 30.887, 64.431

 0, 30.887, 64.431

 71, 30.887, 64.431

 71, 30.887, 64.431

68, 39.305, 63.343

74, 22.880, 65.543

65, 48.047, 62.244

78, 15.304, 66.659

62, 56.883, 61.079

81, 8.142, 67.767

59, 65.314, 59.696

85, 1.363, 68.632

56, 72.410, 57.786

88, 5.069, 250.151

55, 76.752, 55.862

92, 11.193,  
251.198

95, 11.737,  
219.594

97, 13.804,  
198.585

# Harmonies

# Complementary

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



71, 30.887, 64.431



69, 26.189, 256.281

# Rectangle

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



71, 30.887, 64.431



71, 30.887, 114.431



71, 30.887, 244.431



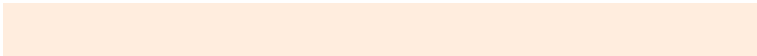
71, 30.887, 294.431

# Sweetspot

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



71, 30.887, 64.437



95, 10.133, 67.653



63, 43.216, 344.104



50, 7.135, 67.408



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



71, 30.887, 64.437



80, 44.336, 63.406



82, 43.461, 103.032



43, 3.800, 68.053



44, 64.668, 56.491



9, 17.145, 52.697





# Inverse Universe

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



69, 26.189, 256.281



77, 36.047, 258.773



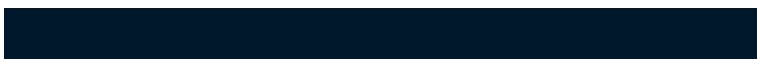
57, 47.835, 293.374



43, 3.687, 250.399



40, 47.546, 277.758



8, 15.839, 266.813



# Previews

## White Background



This preview shows how the CIELCh color 71, 30.887, 64.431 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 71, 30.887, 64.431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

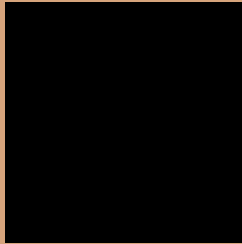
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 30.887, 64.431

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.887, 64.431.

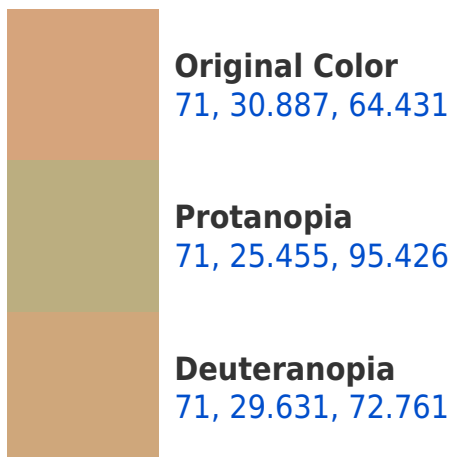


This preview shows how white text looks on a background with the CIELCh color 71, 30.887, 64.431.

# 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

71, 24.189, 6.247



# Trichromacy



**Original Color**  
71, 30.887, 64.431

**Protanomaly**  
71, 26.556, 82.461

**Deuteranomaly**  
71, 30.027, 70.288

**Tritanomaly**  
71, 23.055, 30.768

# Monochromacy



**Original Color**  
71, 30.887, 64.431

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 10.440, 66.446

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 30.887, 64.431 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(214, 164, 124)` looks like.

```
.text, #text, p{  
    color:rgb(214, 164, 124)  
}
```

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(214, 164, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 164, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 30.887, 64.431 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(214, 164, 124) }
```

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

```
.border{ border-color:rgb(214, 164, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 164, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 164, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 164, 124);  
box-shadow:4px 4px 4px 4px rgb(214, 164,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 30.887, 64.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 164, 124) }
```

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

```
.background{ background-color: rgb(214,  
164, 124) }
```

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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