

# Converting Colors

CIELCh(73, 21.574, 47.952)

Have a look what the booklet for  
CIELCh(73, 21.574, 47.952) contains.

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# Color

**CIELCh(73, 21.630, 47.256)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8A997
RGB	216, 169, 151
RGB Percent	85%, 66%, 59%
CMY	0.1533, 0.3375, 0.4081
CMYK	0.00, 0.22, 0.30, 0.15
HSL	17°, 45%, 72%
HSV	17°, 30%, 85%
XYZ	48.0468, 45.1644, 35.4306
YIQ	181.0010, 33.7900, 4.3660

# Conversions

## Conversions Part 2

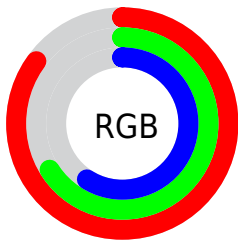
Format	Color
R <sub>Y</sub> B	216, 176, 151
Decimal	14199191
CIE Lab	73.00, 14.68, 15.88
CIE LCh	73, 21.630, 47.256
Yxy	45.1644, 0.3735, 0.3511
Android (android.graphics.Color)	4292389271 (0xFFD8A997)
YUV	181.0010, -14.7905, 30.6941
Hunter-Lab	67.2044, 10.0080, 15.7851

# Details

The CIELCh color **73, 21.630, 47.256** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77, 17.887, 231.367**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 15.326, 59.556**, and **53, 21.631, 47.730** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.994, 46.991**, and if you desaturate by 10%, it is **77, 13.879, 47.643**.

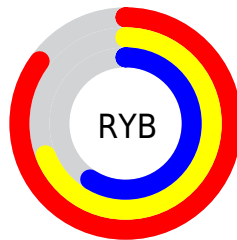
# Distribution



Red (85%)

Green (66%)

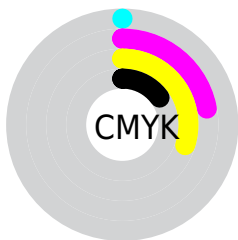
Blue (59%)



Red (85%)

Yellow (69%)

Blue (59%)

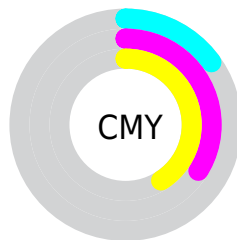


Cyan (0%)

Magenta (22%)

Yellow (30%)

Black (15%)



Cyan (15%)

Magenta (34%)

Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 21.630, 47.256 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 73, 21.630, 47.256 by changing the saturation by 10% instead.



 73, 21.630, 47.256

 73, 21.630, 47.256

 100, 21.630,  
47.256

 63, 21.630, 47.256

 93, 21.630, 47.256

 53, 21.630, 47.256

 43, 21.630, 47.256

 33, 21.630, 47.256

 23, 21.630, 47.256

 13, 21.630, 47.256

 3, 21.630, 47.256

 0, 21.630, 47.256

 73, 21.630, 47.256

 73, 21.630, 47.256

69, 29.994, 46.991

77, 13.879, 47.643

65, 38.982, 46.852

82, 6.706, 48.083

61, 48.546, 46.857

86, 0.061, 39.727

57, 58.525, 46.980

91, 6.113, 229.395

54, 68.520, 47.096

95, 11.103,  
220.687

52, 77.637, 46.875

97, 13.119,  
198.630

49, 84.726, 46.048

# Harmonies

# Complementary

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



73, 21.630, 47.256



77, 17.887, 231.367

# Rectangle

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



73, 21.630, 47.256



73, 21.630, 97.256



73, 21.630, 227.256



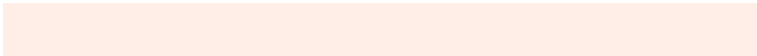
73, 21.630, 277.256

# Sweetspot

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



73, 21.629, 47.263



95, 6.812, 48.126



70, 34.994, 335.064



50, 4.761, 48.063



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



73, 21.629, 47.263



82, 30.357, 47.079



81, 26.959, 94.702



43, 3.734, 48.112



39, 70.737, 46.553



7, 18.577, 35.968



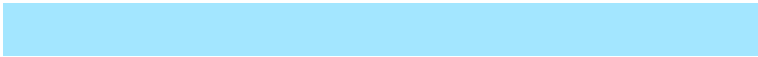


# Inverse Universe

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



77, 17.887, 231.367



88, 23.975, 232.207



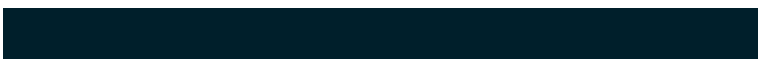
69, 27.675, 282.698



44, 3.542, 229.418



49, 34.977, 251.391



10, 12.976, 241.012



# Previews

## White Background



This preview shows how the CIELCh color 73, 21.630, 47.256 looks on a white background.

## Color Contrast Check

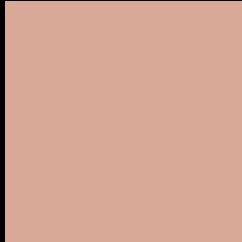
Large Text (above 18pt) WCAG AA × Fail

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 73, 21.630, 47.256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

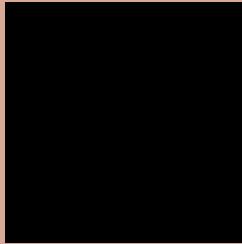
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 73, 21.630, 47.256

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 21.630, 47.256.



This preview shows how white text looks on a background with the CIELCh color 73, 21.630, 47.256.

# 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**

73, 21.630, 47.256

**Protanopia**

73, 12.914, 92.995

**Deuteranopia**

73, 18.696, 61.509



**Tritanopia**  
73, 21.862, 2.827



# Trichromacy



**Original Color**  
73, 21.630, 47.256

**Protanomaly**  
73, 14.666, 70.247

**Deuteranomaly**  
73, 19.641, 57.283

**Tritanomaly**  
73, 20.453, 18.233

# Monochromacy



**Original Color**  
73, 21.630, 47.256

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 7.567, 49.716

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 21.630, 47.256 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(216, 169, 151)` looks like.

```
.text, #text, p{  
    color:rgb(216, 169, 151)  
}
```

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(216, 169, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 169, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 21.630, 47.256 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(216, 169, 151) }
```

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

```
.border{ border-color:rgb(216, 169, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 169, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 169, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 169, 151);  
box-shadow:4px 4px 4px 4px rgb(216, 169,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 21.630, 47.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 169, 151) }
```

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

```
.background{ background-color: rgb(216,  
169, 151) }
```

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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