

# Converting Colors

CIELCh(72, 23.255, 43.442)

Have a look what the booklet for  
CIELCh(72, 23.255, 43.442) contains.

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# Color

**CIELCh(72, 23.387, 43.972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A594
RGB	217, 165, 148
RGB Percent	85%, 65%, 58%
CMY	0.1501, 0.3539, 0.4206
CMYK	0.00, 0.24, 0.32, 0.15
HSL	15°, 47%, 71%
HSV	15°, 32%, 85%
XYZ	47.2693, 43.6590, 33.8499
YIQ	178.6100, 36.4490, 5.7370

# Conversions

## Conversions Part 2

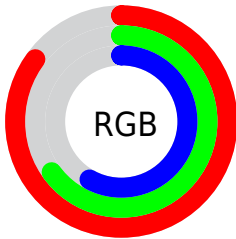
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 171, 148
Decimal	14263700
CIE Lab	72.00, 16.83, 16.24
CIE LCh	72, 23.387, 43.972
Yxy	43.6590, 0.3788, 0.3499
Android (android.graphics.Color)	4292453780 (0xFFD9A594)
YUV	178.6100, -15.0907, 33.6680
Hunter-Lab	66.0750, 12.0658, 15.8785

# Details

The CIELCh color  $72, 23.387, 43.972$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $78, 18.917, 227.340$ , and the grayscale version is  $73, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 16.293, 54.785$ , and  $52, 23.573, 44.279$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 32.020, 43.924$ , and if you desaturate by 10%, it is  $76, 15.393, 44.167$ .

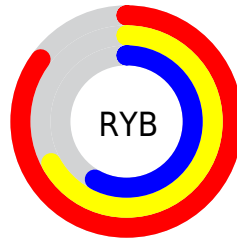
# Distribution



Red (85%)

Green (65%)

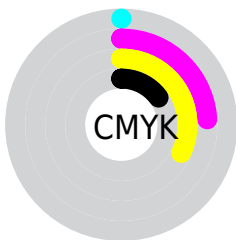
Blue (58%)



Red (85%)

Yellow (67%)

Blue (58%)

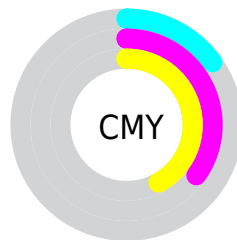


Cyan (0%)

Magenta (24%)

Yellow (32%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 23.387, 43.972 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 72, 23.387, 43.972 by changing the saturation by 10% instead.



 72, 23.387, 43.972

 72, 23.387, 43.972

 100, 23.387,  
43.972

 62, 23.387, 43.972

 92, 23.387, 43.972

 52, 23.387, 43.972

 42, 23.387, 43.972

 32, 23.387, 43.972

 22, 23.387, 43.972

 12, 23.387, 43.972

 2, 23.387, 43.972

 0, 23.387, 43.972

 72, 23.387, 43.972

 72, 23.387, 43.972

68, 32.020, 43.924

76, 15.393, 44.167

64, 41.293, 44.034

81, 8.010, 44.445

60, 51.138, 44.322

86, 1.186, 44.437

56, 61.359, 44.756

90, 5.134, 225.475

53, 71.490, 45.189

95, 10.793,  
223.087

50, 80.488, 45.222

97, 12.859,  
198.647

49, 86.272, 44.811

# Harmonies

# Complementary

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



72, 23.387, 43.972



78, 18.917, 227.340

# Rectangle

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



72, 23.387, 43.972



72, 23.387, 93.972



72, 23.387, 223.972



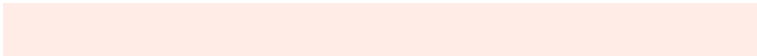
72, 23.387, 273.972

# Sweetspot

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



72, 23.386, 43.979



95, 7.675, 44.496



69, 37.949, 333.856



50, 5.266, 44.455



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 23.386, 43.979



80, 32.726, 43.926



80, 27.743, 92.149



43, 3.771, 44.515



38, 71.829, 45.279



7, 18.907, 33.743



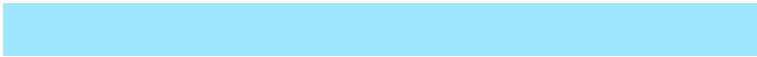


# Inverse Universe

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



78, 18.917, 227.340



88, 25.149, 228.127



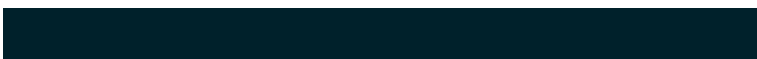
68, 28.237, 280.896



44, 3.568, 225.557



50, 33.709, 245.214



11, 12.766, 235.640



# Previews

## White Background



This preview shows how the CIELCh color 72, 23.387, 43.972 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 72, 23.387, 43.972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

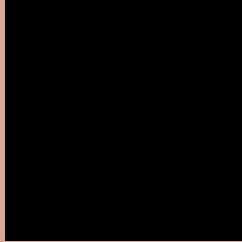
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 23.387, 43.972

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 23.387, 43.972.



This preview shows how white text looks on a background with the CIELCh color 72, 23.387, 43.972.

# 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

72, 23.387, 43.972

### Protanopia

72, 12.955, 92.964

### Deuteranopia

72, 18.770, 61.473



**Tritanopia**  
72, 23.348, 5.587



# Trichromacy



**Original Color**  
72, 23.387, 43.972

**Protanomaly**  
72, 15.255, 67.855

**Deuteranomaly**  
72, 20.425, 54.075

**Tritanomaly**  
72, 22.175, 18.658

# Monochromacy



**Original Color**  
72, 23.387, 43.972

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
72, 8.049, 43.675

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 23.387, 43.972 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(217, 165, 148)` looks like.

```
.text, #text, p{  
    color:rgb(217, 165, 148)  
}
```

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(217, 165, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 165, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 23.387, 43.972 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(217, 165, 148) }
```

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

```
.border{ border-color:rgb(217, 165, 148) }
```

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

Here you see how a box with a 4 pixel rgb(217, 165, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 165, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 165, 148);  
box-shadow:4px 4px 4px 4px rgb(217, 165,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 23.387, 43.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 165, 148) }
```

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

```
.background{ background-color: rgb(217,  
165, 148) }
```

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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