

Converting Colors

CIELCh(49, 43.154, 48.840)

Have a look what the booklet for
CIELCh(49, 43.154, 48.840) contains.

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Color

CIELCh(49, 42.850, 48.851)

Conversions

Conversions Part 1

Format	Color
Hex	AD603F
RGB	173, 96, 63
RGB Percent	68%, 38%, 25%
CMY	0.3218, 0.6237, 0.7531
CMYK	0.00, 0.45, 0.64, 0.32
HSL	18°, 47%, 46%
HSV	18°, 64%, 68%
XYZ	22.2966, 17.5941, 6.9171
YIQ	115.2610, 56.4850, 6.0610

Conversions

Conversions Part 2

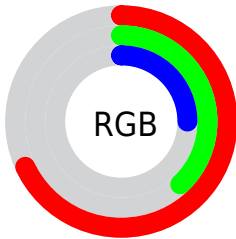
Format	Color
R _Y B	173, 110, 63
Decimal	11362367
CIE Lab	49.00, 28.20, 32.27
CIE LCh	49, 42.850, 48.851
Yxy	17.5941, 0.4763, 0.3759
Android (android.graphics.Color)	4289552447 (0xFFAD603F)
YUV	115.2610, -25.7647, 50.6371
Hunter-Lab	41.9453, 21.4799, 19.5843

Details

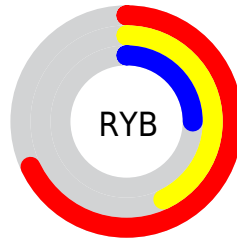
The CIELCh color **49, 42.850, 48.851** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **55, 27.857, 241.294**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 42.582, 49.014**, and **29, 42.926, 49.089** is the 20% darker color. If you saturate the color by 10%, you get **46, 51.108, 48.775**, and if you desaturate by 10%, it is **52, 34.859, 49.001**.

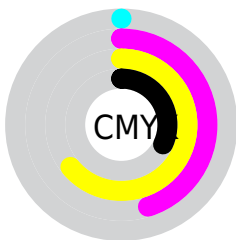
Distribution



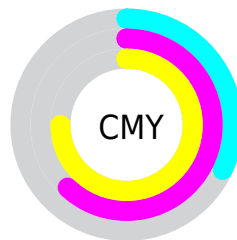
- Red (68%)
- Green (38%)
- Blue (25%)



- Red (68%)
- Yellow (43%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (64%)
- Black (32%)



- Cyan (32%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 42.850, 48.851 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 49, 42.850, 48.851 by changing the saturation by 10% instead.

■ 49, 42.850, 48.851

■ 49, 42.850, 48.851

■ 100, 42.850,
48.851

■ 39, 42.850, 48.851

■ 69, 42.850, 48.851

■ 29, 42.850, 48.851

■ 79, 42.850, 48.851

■ 19, 42.850, 48.851

■ 89, 42.850, 48.851

■ 9, 42.850, 48.851

■ 99, 42.850, 48.851

■ 0, 42.850, 48.851

■ 49, 42.850, 48.851

■ 49, 42.850, 48.851

■ 46, 51.108, 48.775

■ 52, 34.859, 49.001

■ 44, 59.242, 48.608

■ 55, 27.307, 49.262

41, 66.407, 47.980

59, 20.249, 49.637

40, 70.542, 47.592

62, 13.686, 50.110

66, 7.594, 50.647

69, 1.934, 51.096

73, 3.335, 232.133

77, 8.257, 232.743

81, 12.874,
233.428

Harmonies

Complementary

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



49, 42.850, 48.851



55, 27.857, 241.294

Rectangle

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



49, 42.850, 48.851



49, 42.850, 98.851



49, 42.850, 228.851



49, 42.850, 278.851

Sweetspot

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



49, 42.849, 48.855



81, 13.401, 50.334



45, 56.843, 339.478



41, 9.308, 50.187



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 42.849, 48.855



58, 65.826, 48.736



63, 48.134, 92.844



35, 3.118, 50.880



35, 63.389, 47.963



3, 6.480, 44.774

Inverse Universe

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



55, 27.857, 241.294



67, 38.454, 245.836



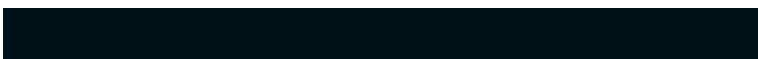
39, 53.663, 292.055



35, 2.969, 232.342



42, 32.792, 255.233



4, 6.456, 242.716

Previews

White Background



This preview shows how the CIELCh color 49, 42.850, 48.851 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 42.850, 48.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

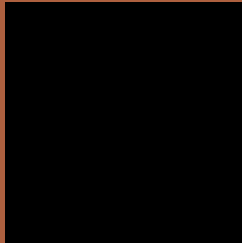
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 42.850, 48.851

Background



This preview shows how black text looks on a background with the CIELCh color 49, 42.850, 48.851.



This preview shows how white text looks on a background with the CIELCh color 49, 42.850, 48.851.

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

49, 42.850, 48.851

Protanopia

49, 27.554, 95.908

Deuteranopia

49, 33.758, 78.367



Tritanopia
49, 36.305, 19.198

Trichromacy



Original Color
49, 42.850, 48.851

Protanomaly
49, 29.947, 73.327

Deuteranomaly
49, 35.953, 65.883

Tritanomaly
49, 37.443, 31.168

Monochromacy



Original Color
49, 42.850, 48.851

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.302, 49.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 42.850, 48.851 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(173, 96, 63)` looks like.

```
.text, #text, p{  
    color:rgb(173, 96, 63)  
}
```

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(173, 96, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 96, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 42.850, 48.851 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(173, 96, 63) }
```

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

```
.border{ border-color:rgb(173, 96, 63) }
```

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

Here you see how a box with a 4 pixel rgb(173, 96, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 96, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 96, 63);  
box-shadow:4px 4px 4px 4px rgb(173, 96,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 42.850, 48.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 96, 63) }
```

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

```
.background{ background-color: rgb(173, 96,  
63) }
```

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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