

Converting Colors

CIELCh(49, 30.529, 60.994)

Have a look what the booklet for
CIELCh(49, 30.529, 60.994) contains.

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Color

CIELCh(49, 30.355, 60.888)

Conversions

Conversions Part 1

Format	Color
Hex	996A48
RGB	153, 106, 72
RGB Percent	60%, 42%, 28%
CMY	0.3994, 0.5837, 0.7171
CMYK	0.00, 0.31, 0.53, 0.40
HSL	25°, 36%, 44%
HSV	25°, 53%, 60%
XYZ	19.5089, 17.5941, 8.5214
YIQ	116.1770, 38.9260, -0.6100

Conversions

Conversions Part 2

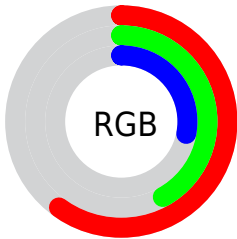
Format	Color
RYB	153, 131, 72
Decimal	10054216
CIELab	49.00, 14.77, 26.52
CIELCh	49, 30.355, 60.888
Yxy	17.5941, 0.4276, 0.3856
Android (android.graphics.Color)	4288244296 (0xFF996A48)
YUV	116.1770, -21.7793, 32.2938
Hunter-Lab	41.9453, 9.6167, 17.3166

Details

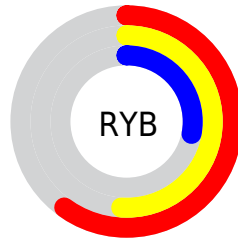
The CIELCh color **49, 30.355, 60.888** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **48, 24.044, 255.622**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 30.547, 60.200**, and **29, 30.356, 61.576** is the 20% darker color. If you saturate the color by 10%, you get **47, 37.088, 59.943**, and if you desaturate by 10%, it is **52, 23.901, 61.855**.

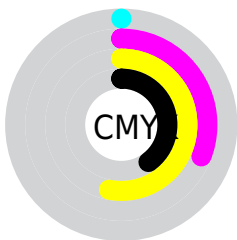
Distribution



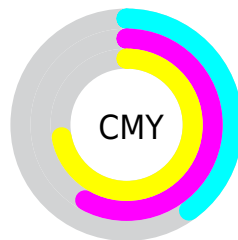
- Red (60%)
- Green (42%)
- Blue (28%)



- Red (60%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (31%)
- Yellow (53%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 30.355, 60.888 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, 30.355, 60.888 by changing the saturation by 10% instead.

■ 49, 30.355, 60.888

■ 49, 30.355, 60.888

■ 100, 30.355,
60.888

■ 39, 30.355, 60.888

■ 69, 30.355, 60.888

■ 29, 30.355, 60.888

■ 79, 30.355, 60.888

■ 19, 30.355, 60.888

■ 89, 30.355, 60.888

■ 9, 30.355, 60.888

■ 99, 30.355, 60.888

■ 0, 30.355, 60.888

■ 49, 30.355, 60.888

■ 49, 30.355, 60.888

■ 47, 37.088, 59.943

■ 52, 23.901, 61.855

■ 44, 43.953, 58.954

■ 54, 17.784, 62.844

■ 42, 50.613, 57.793

■ 57, 12.012, 63.855

■ 40, 56.425, 56.179

■ 60, 6.570, 64.869

■ 39, 60.265, 55.065

■ 62, 1.433, 65.721

■ 65, 3.429, 247.110

■ 68, 8.045, 248.079

■ 71, 12.443,
249.070

■ 74, 16.650,
250.043

Harmonies

Complementary

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



49, 30.355, 60.888



48, 24.044, 255.622

Rectangle

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



49, 30.355, 60.888



49, 30.355, 110.888



49, 30.355, 240.888



49, 30.355, 290.888

Sweetspot

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



49, 30.354, 60.893



75, 10.183, 64.525



42, 41.230, 344.354



38, 6.895, 64.336



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 30.354, 60.893



60, 46.117, 59.815



60, 40.552, 101.202



31, 2.845, 65.231



35, 56.386, 55.378



2, 2.999, 65.422

Inverse Universe

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



48, 24.044, 255.622



58, 34.569, 259.100



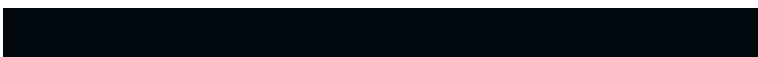
36, 45.828, 294.678



31, 2.754, 247.388



34, 38.580, 273.782



2, 3.022, 247.430

Previews

White Background



This preview shows how the CIELCh color 49, 30.355, 60.888 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 CIELCh color 49, 30.355, 60.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

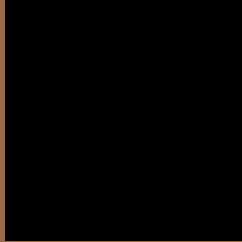
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.355, 60.888

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.355, 60.888.



This preview shows how white text looks on a background with the CIELCh color 49, 30.355, 60.888.

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, 30.355, 60.888

Protanopia

49, 24.158, 96.106

Deuteranopia

49, 27.486, 76.326



Tritanopia
49, 23.775, 11.419

Trichromacy



Original Color
49, 30.355, 60.888

Protanomaly
49, 24.916, 80.750

Deuteranomaly
49, 28.297, 70.541

Tritanomaly
49, 23.589, 31.989

Monochromacy



Original Color
49, 30.355, 60.888

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.533, 61.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.355, 60.888 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(153, 106, 72)` looks like.

```
.text, #text, p{  
    color:rgb(153, 106, 72)  
}
```

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(153, 106, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 106, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.355, 60.888 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(153, 106, 72) }
```

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

```
.border{ border-color:rgb(153, 106, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 106, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 106, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 106, 72);  
box-shadow:4px 4px 4px 4px rgb(153, 106,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.355, 60.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 106, 72) }
```

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

```
.background{ background-color: rgb(153,  
106, 72) }
```

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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