

Converting Colors

CIELCh(49, 30.848, 33.377)

Have a look what the booklet for
CIELCh(49, 30.848, 33.377) contains.

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Color

CIELCh(49, 30.718, 33.755)

Conversions

Conversions Part 1

Format	Color
Hex	A56359
RGB	165, 99, 89
RGB Percent	65%, 39%, 35%
CMY	0.3536, 0.6124, 0.6516
CMYK	0.00, 0.40, 0.46, 0.35
HSL	8°, 30%, 50%
HSV	8°, 46%, 65%
XYZ	21.7253, 17.5941, 11.6695
YIQ	117.5940, 42.5460, 10.8820

Conversions

Conversions Part 2

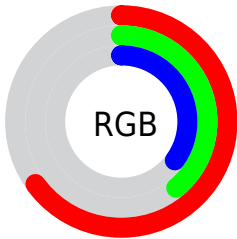
Format	Color
R_{YB}	165, 101, 89
Decimal	10838873
CIE _{Lab}	49.00, 25.54, 17.07
CIE _{LCh}	49, 30.718, 33.755
Yxy	17.5941, 0.4261, 0.3451
Android (android.graphics.Color)	4289028953 (0xFFA56359)
YUV	117.5940, -14.0968, 41.5751
Hunter-Lab	41.9453, 19.0488, 12.8668

Details

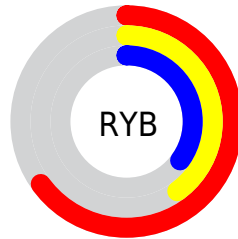
The CIELCh color **49, 30.718, 33.755** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **60, 21.761, 212.813**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 30.483, 34.260**, and **29, 30.746, 34.285** is the 20% darker color. If you saturate the color by 10%, you get **45, 38.778, 34.825**, and if you desaturate by 10%, it is **53, 23.124, 32.984**.

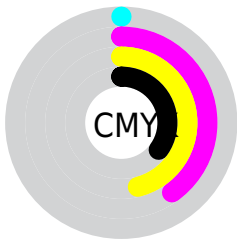
Distribution



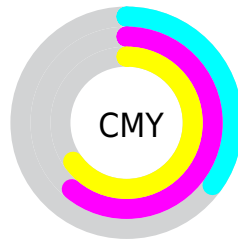
- Red (65%)
- Green (39%)
- Blue (35%)



- Red (65%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (40%)
- Yellow (46%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 30.718, 33.755 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, 30.718, 33.755 by changing the saturation by 10% instead.

■ 49, 30.718, 33.755

■ 49, 30.718, 33.755

■ 100, 30.718,
33.755

■ 39, 30.718, 33.755

■ 69, 30.718, 33.755

■ 29, 30.718, 33.755

■ 79, 30.718, 33.755

■ 19, 30.718, 33.755

■ 89, 30.718, 33.755

■ 9, 30.718, 33.755

■ 99, 30.718, 33.755

■ 0, 30.718, 33.755

■ 49, 30.718, 33.755

■ 49, 30.718, 33.755

■ 45, 38.778, 34.825

■ 53, 23.124, 32.984

■ 42, 47.190, 36.217

■ 57, 16.050, 32.444

39, 55.714, 37.908

61, 9.500, 32.083

37, 63.864, 39.699

65, 3.453, 31.799

36, 70.671, 41.097

69, 2.129, 212.079

35, 73.146, 41.843

74, 7.290, 211.917

78, 12.077,
211.951

82, 16.533,
212.045

87, 20.697,
212.177

Harmonies

Complementary

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



49, 30.718, 33.755



60, 21.761, 212.813

Rectangle

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



49, 30.718, 33.755



49, 30.718, 83.755



49, 30.718, 213.755



49, 30.718, 263.755

Sweetspot

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



49, 30.716, 33.759



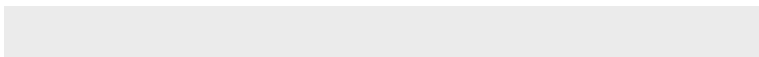
78, 10.152, 32.030



49, 46.952, 330.470



40, 7.056, 32.089



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 30.716, 33.759



59, 47.047, 34.815



58, 29.638, 80.871



32, 3.221, 31.896



31, 66.107, 41.657



2, 4.892, 30.567

Inverse Universe

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



60, 21.761, 212.813



75, 30.430, 213.512



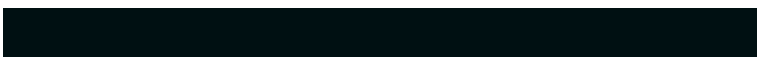
49, 28.504, 275.084



34, 3.038, 211.933



48, 28.853, 220.202



4, 4.721, 215.830

Previews

White Background



This preview shows how the CIELCh color 49, 30.718, 33.755 looks on a white background.

Color Contrast Check

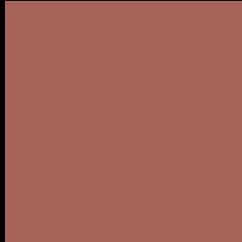
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.718, 33.755 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, 30.718, 33.755

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.718, 33.755.



This preview shows how white text looks on a background with the CIELCh color 49, 30.718, 33.755.

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, 30.718, 33.755

Protanopia

49, 11.946, 96.094

Deuteranopia

49, 19.390, 70.876



Tritanopia
49, 29.939, 15.856

Trichromacy



Original Color
49, 30.718, 33.755

Protanomaly
49, 15.692, 56.759

Deuteranomaly
49, 22.319, 52.264

Tritanomaly
49, 29.969, 23.353

Monochromacy



Original Color
49, 30.718, 33.755

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.363, 30.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.718, 33.755 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(165, 99, 89)` looks like.

```
.text, #text, p{  
    color:rgb(165, 99, 89)  
}
```

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(165, 99, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 99, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.718, 33.755 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(165, 99, 89) }
```

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

```
.border{ border-color:rgb(165, 99, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 99, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 99, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 99, 89);  
box-shadow:4px 4px 4px 4px rgb(165, 99,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.718, 33.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 99, 89) }
```

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

```
.background{ background-color: rgb(165, 99,  
89) }
```

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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