

Converting Colors

CIELCh(48, 28.667, 49.362)

Have a look what the booklet for
CIELCh(48, 28.667, 49.362) contains.

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Color

CIELCh(48, 28.667, 49.362)

Conversions

Conversions Part 1

Format	Color
Hex	9A654E
RGB	154, 101, 78
RGB Percent	60%, 40%, 31%
CMY	0.3952, 0.6031, 0.6933
CMYK	0.00, 0.34, 0.49, 0.40
HSL	18°, 33%, 46%
HSV	18°, 49%, 60%
XYZ	19.4279, 16.7945, 9.4633
YIQ	114.2250, 38.9710, 4.0830

Conversions

Conversions Part 2

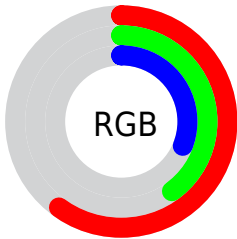
Format	Color
R_{YB}	154, 111, 78
Decimal	10118478
CIE Lab	48.00, 18.67, 21.75
CIE LCh	48, 28.667, 49.362
Yxy	16.7945, 0.4253, 0.3676
Android (android.graphics.Color)	4288308558 (0xFF9A654E)
YUV	114.2250, -17.8589, 34.8827
Hunter-Lab	40.9810, 12.9050, 14.9956

Details

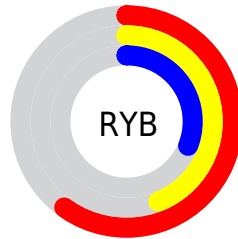
The CIELCh color **48, 28.667, 49.362** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 20.968, 238.056**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.975, 49.120**, and **28, 28.659, 50.027** is the 20% darker color. If you saturate the color by 10%, you get **45, 35.753, 49.150**, and if you desaturate by 10%, it is **51, 22.004, 49.697**.

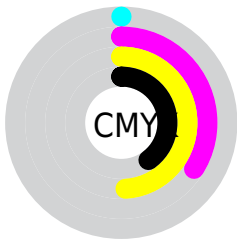
Distribution



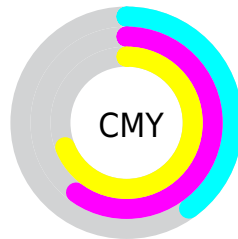
- Red (60%)
- Green (40%)
- Blue (31%)



- Red (60%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.667, 49.362 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 48, 28.667, 49.362 by changing the saturation by 10% instead.

 48, 28.667, 49.362

 48, 28.667, 49.362

 100, 28.667,
49.362

 38, 28.667, 49.362

 68, 28.667, 49.362

 28, 28.667, 49.362

 78, 28.667, 49.362

 18, 28.667, 49.362

 88, 28.667, 49.362

 8, 28.667, 49.362

 98, 28.667, 49.362

 0, 28.667, 49.362

 48, 28.667, 49.362

 48, 28.667, 49.362

 45, 35.753, 49.150

 51, 22.004, 49.697

 42, 43.173, 49.028

 54, 15.792, 50.131

■ 40, 50.690, 48.909

■ 57, 10.017, 50.647

■ 38, 57.778, 48.555

■ 61, 4.651, 51.199

■ 36, 64.046, 48.005

■ 64, 0.343, 233.149

■ 36, 64.527, 48.029

■ 67, 5.003, 232.703

■ 71, 9.367, 233.365

■ 74, 13.469,
234.061

■ 77, 17.343,
234.763

Harmonies

Complementary

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



48, 28.667, 49.362



52, 20.968, 238.056

Rectangle

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



48, 28.667, 49.362



48, 28.667, 99.362



48, 28.667, 229.362



48, 28.667, 279.362

Sweetspot

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



48, 28.666, 49.367



75, 9.536, 50.868



44, 41.847, 338.019



39, 6.606, 50.759



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 28.666, 49.367



58, 44.356, 49.136



58, 34.529, 94.666



31, 2.808, 51.203



32, 59.888, 48.210



2, 2.948, 51.253

Inverse Universe

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



52, 20.968, 238.056



64, 29.833, 240.613



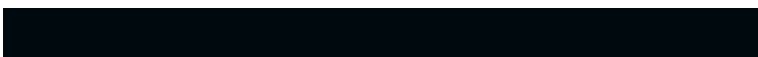
41, 36.951, 288.349



31, 2.677, 232.664



39, 31.190, 255.372



2, 2.945, 233.351

Previews

White Background



This preview shows how the CIELCh color 48, 28.667, 49.362 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 48, 28.667, 49.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.667, 49.362

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.667, 49.362.



This preview shows how white text looks on a background with the CIELCh color 48, 28.667, 49.362.

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

48, 28.667, 49.362

Protanopia

48, 17.986, 94.848

Deuteranopia

48, 23.024, 73.460



Tritanopia
48, 25.163, 13.616

Trichromacy



Original Color
48, 28.667, 49.362

Protanomaly
48, 19.703, 72.705

Deuteranomaly
48, 24.578, 63.608

Tritanomaly
48, 25.072, 27.827

Monochromacy



Original Color
48, 28.667, 49.362

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.850, 48.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.667, 49.362 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(154, 101, 78)` looks like.

```
.text, #text, p{  
    color:rgb(154, 101, 78)  
}
```

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(154, 101, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.667, 49.362 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(154, 101, 78) }
```

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

```
.border{ border-color:rgb(154, 101, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 101, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 78);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.667, 49.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 78) }
```

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

```
.background{ background-color: rgb(154,  
101, 78) }
```

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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