

Converting Colors

CIELCh(47, 7.844, 68.308)

Have a look what the booklet for
CIELCh(47, 7.844, 68.308) contains.

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Color

CIELCh(47, 7.844, 68.308)

Conversions

Conversions Part 1

Format	Color
Hex	796D63
RGB	121, 109, 99
RGB Percent	47%, 43%, 39%
CMY	0.5240, 0.5710, 0.6103
CMYK	0.00, 0.10, 0.18, 0.52
HSL	27°, 10%, 43%
HSV	27°, 18%, 48%
XYZ	15.7189, 16.0195, 14.1616
YIQ	111.4480, 10.3620, -0.5660

Conversions

Conversions Part 2

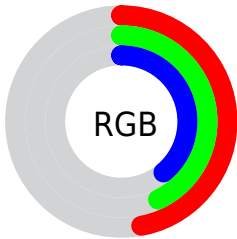
Format	Color
R_{YB}	121, 117, 99
Decimal	7957859
CIE Lab	47.00, 2.90, 7.29
CIE LCh	47, 7.844, 68.308
Yxy	16.0195, 0.3425, 0.3490
Android (android.graphics.Color)	4286147939 (0xFF796D63)
YUV	111.4480, -6.1369, 8.3771
Hunter-Lab	40.0243, 0.0606, 7.0387

Details

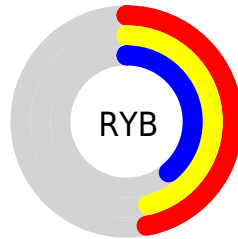
The CIELCh color $47, 7.844, 68.308$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 7.403, 252.691$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 7.810, 64.407$, and $27, 7.600, 69.689$ is the 20% darker color. If you saturate the color by 10%, you get $45, 12.495, 67.228$, and if you desaturate by 10%, it is $49, 3.428, 69.378$.

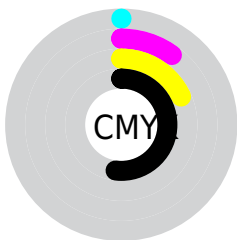
Distribution



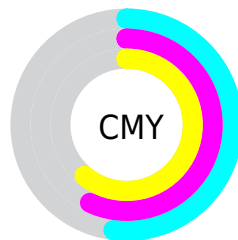
- Red (47%)
- Green (43%)
- Blue (39%)



- Red (47%)
- Yellow (46%)
- Blue (39%)



- Cyan (0%)
- Magenta (10%)
- Yellow (18%)
- Black (52%)




- Cyan (52%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.844, 68.308 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 47, 7.844, 68.308 by changing the saturation by 10% instead.

 47, 7.844, 68.308  47, 7.844, 68.308

 100, 7.844, 68.308  37, 7.844, 68.308


 67, 7.844, 68.308  27, 7.844, 68.308

 77, 7.844, 68.308  17, 7.844, 68.308

 87, 7.844, 68.308  7, 7.844, 68.308

 97, 7.844, 68.308  0, 7.844, 68.308

 47, 7.844, 68.308  47, 7.844, 68.308

 45, 12.495, 67.228  49, 3.428, 69.378

 43, 17.394, 66.135  51, 0.772, 250.916

 41, 22.541, 65.050  54, 4.778, 251.687

■ 39, 27.912, 63.967

■ 56, 8.609, 252.713

■ 37, 33.431, 62.860

■ 58, 12.286,
253.724

■ 35, 38.923, 61.657

■ 60, 15.827,
254.707

■ 33, 44.040, 60.196

■ 32, 48.747, 58.634

■ 63, 19.247,
255.656

■ 31, 49.698, 58.443

■ 65, 22.560,
256.569

■ 67, 25.779,
257.443

Harmonies

Complementary

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



47, 7.844, 68.308



46, 7.403, 252.691

Rectangle

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



47, 7.844, 68.308



47, 7.844, 118.308



47, 7.844, 248.308



47, 7.844, 298.308

Sweetspot

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



47, 7.844, 68.321



64, 2.594, 69.660



45, 11.588, 342.459



33, 1.763, 69.612



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 7.844, 68.321



59, 11.950, 67.841



50, 12.149, 106.358



25, 2.395, 69.284



32, 50.830, 58.357



64, 86.795, 56.225

Inverse Universe

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



46, 7.403, 252.691



58, 11.099, 253.362



43, 12.589, 290.083



24, 2.334, 251.487



28, 37.669, 277.491



57, 66.551, 280.234

Previews

White Background



This preview shows how the CIELCh color 47, 7.844, 68.308 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 47, 7.844, 68.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

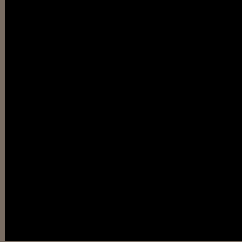
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 7.844, 68.308

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.844, 68.308.

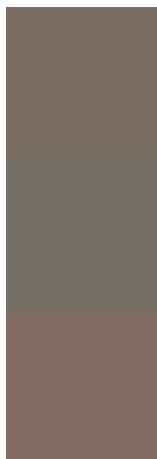


This preview shows how white text looks on a background with the CIELCh color 47, 7.844, 68.308.

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


47, 7.844, 68.308

Protanopia

47, 6.815, 91.114

Deuteranopia

47, 9.590, 45.632



Tritanopia
47, 8.088, 344.671

Trichromacy



Original Color
47, 7.844, 68.308

Protanomaly
47, 6.810, 79.313

Deuteranomaly
47, 8.727, 52.637

Tritanomaly
47, 5.859, 14.301

Monochromacy



Original Color
47, 7.844, 68.308

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.871, 74.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.844, 68.308 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(121, 109, 99)` looks like.

```
.text, #text, p{  
    color:rgb(121, 109, 99)  
}
```

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(121, 109, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 109, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.844, 68.308 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(121, 109, 99) }
```

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

```
.border{ border-color:rgb(121, 109, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 109, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 109, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 109, 99);  
box-shadow:4px 4px 4px 4px rgb(121, 109,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.844, 68.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 109, 99) }
```

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

```
.background{ background-color: rgb(121,  
109, 99) }
```

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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