

Converting Colors

CIELCh(47, 7.197, 83.502)

Have a look what the booklet for
CIELCh(47, 7.197, 83.502) contains.

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Color

CIELCh(47, 7.129, 84.547)

Conversions

Conversions Part 1

Format	Color
Hex	766F64
RGB	118, 111, 100
RGB Percent	46%, 44%, 39%
CMY	0.5388, 0.5662, 0.6094
CMYK	0.00, 0.06, 0.15, 0.54
HSL	37°, 8%, 43%
HSV	37°, 15%, 46%
XYZ	15.3403, 16.0195, 14.2422
YIQ	111.8390, 7.7030, -1.9370

Conversions

Conversions Part 2

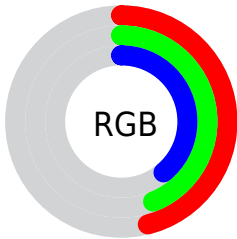
Format	Color
R_{YB}	111, 118, 100
Decimal	7761764
CIE _{Lab}	47.00, 0.68, 7.10
CIE _{LCh}	47, 7.129, 84.547
Yxy	16.0195, 0.3364, 0.3513
Android (android.graphics.Color)	4285951844 (0xFF766F64)
YUV	111.8390, -5.8366, 5.4032
Hunter-Lab	40.0243, -1.6282, 6.9194

Details

The CIELCh color $47, 7.129, 84.547$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 7.041, 268.488$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 7.137, 86.798$, and $27, 7.311, 81.534$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.957, 83.310$, and if you desaturate by 10%, it is $49, 2.431, 85.731$.

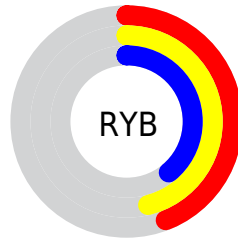
Distribution



Red (46%)

Green (44%)

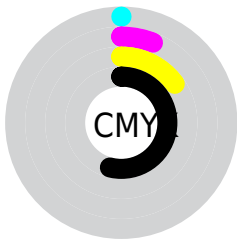
Blue (39%)



Red (44%)

Yellow (46%)

Blue (39%)

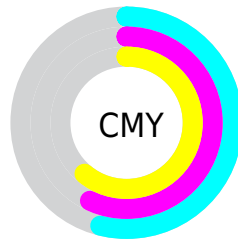


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (54%)



Cyan (54%)

Magenta (57%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.129, 84.547 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, 7.129, 84.547 by changing the saturation by 10% instead.

■ 47, 7.129, 84.547 ■ 47, 7.129, 84.547

■ 100, 7.129, 84.547 ■ 37, 7.129, 84.547

■ 67, 7.129, 84.547 ■ 27, 7.129, 84.547

■ 77, 7.129, 84.547 ■ 17, 7.129, 84.547

■ 87, 7.129, 84.547 ■ 7, 7.129, 84.547

■ 97, 7.129, 84.547 ■ 0, 7.129, 84.547

■ 47, 7.129, 84.547 ■ 47, 7.129, 84.547

■ 45, 11.957, 83.310 ■ 49, 2.431, 85.731

■ 44, 16.908, 82.020 ■ 50, 2.142, 267.080

■ 42, 21.965, 80.694 ■ 52, 6.599, 268.159

41, 27.080, 79.328

54, 10.947,
269.240

39, 32.157, 77.903

55, 15.197,
270.280

38, 37.013, 76.374

37, 41.328, 74.647

57, 19.357,
271.274

35, 44.802, 72.645

59, 23.436,
272.221

35, 46.603, 71.847

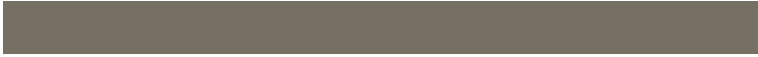
60, 27.442,
273.122

62, 31.380,
273.976

Harmonies

Complementary

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



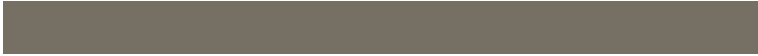
47, 7.129, 84.547



45, 7.041, 268.488

Rectangle

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



47, 7.129, 84.547



47, 7.129, 134.547



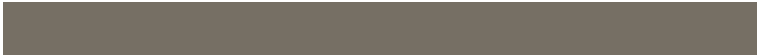
47, 7.129, 264.547



47, 7.129, 314.547

Sweetspot

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



47, 7.130, 84.559



62, 2.847, 85.748



44, 8.636, 350.744



32, 1.933, 85.690



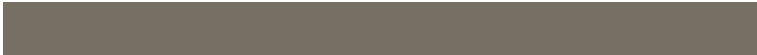
82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 7.130, 84.559



60, 10.455, 84.170



49, 10.528, 112.925



24, 2.594, 85.311



36, 47.963, 71.700



72, 81.500, 69.765

Inverse Universe

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



45, 7.041, 268.488



56, 10.290, 268.962



43, 10.879, 295.413



23, 2.580, 267.623



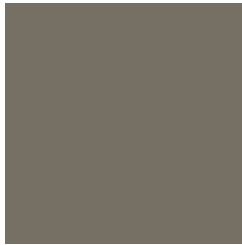
22, 49.864, 291.709



46, 89.570, 293.953

Previews

White Background



This preview shows how the CIELCh color 47, 7.129, 84.547 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, 7.129, 84.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

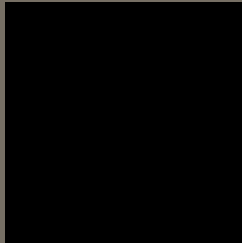
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

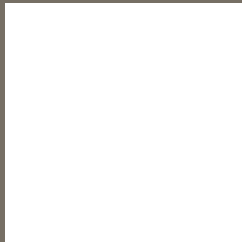
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 7.129, 84.547

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.129, 84.547.



This preview shows how white text looks on a background with the CIELCh color 47, 7.129, 84.547.

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, 7.129, 84.547

Protanopia

47, 6.815, 91.114

Deuteranopia

47, 9.193, 46.776



Tritanopia
47, 7.238, 332.929

Trichromacy



Original Color
47, 7.129, 84.547

Protanomaly
47, 6.960, 87.760

Deuteranomaly
47, 8.000, 55.972

Tritanomaly
47, 4.293, 3.912

Monochromacy



Original Color
47, 7.129, 84.547

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.491, 90.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.129, 84.547 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(118, 111, 100)` looks like.

```
.text, #text, p{  
    color:rgb(118, 111, 100)  
}
```

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(118, 111, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 111, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.129, 84.547 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(118, 111, 100) }
```

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

```
.border{ border-color:rgb(118, 111, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 111, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 111, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 111, 100);  
box-shadow:4px 4px 4px 4px rgb(118, 111,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.129, 84.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 111, 100) }
```

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

```
.background{ background-color: rgb(118,  
111, 100) }
```

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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