

Converting Colors

CIELCh(46, 7.369, 51.462)

Have a look what the booklet for
CIELCh(46, 7.369, 51.462) contains.

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Color

CIELCh(46, 7.349, 48.804)

Conversions

Conversions Part 1

Format	Color
Hex	796A64
RGB	121, 106, 100
RGB Percent	47%, 42%, 39%
CMY	0.5258, 0.5846, 0.6082
CMYK	0.00, 0.12, 0.17, 0.53
HSL	17°, 10%, 43%
HSV	17°, 17%, 47%
XYZ	15.3153, 15.2687, 14.1761
YIQ	109.8010, 10.8660, 1.3140

Conversions

Conversions Part 2

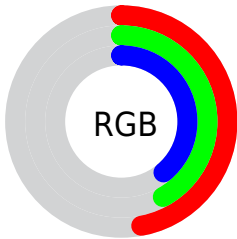
Format	Color
R_{YB}	121, 108, 100
Decimal	7957092
CIE Lab	46.00, 4.84, 5.53
CIE LCh	46, 7.349, 48.804
Yxy	15.2687, 0.3422, 0.3411
Android (android.graphics.Color)	4286147172 (0xFF796A64)
YUV	109.8010, -4.8319, 9.8215
Hunter-Lab	39.0751, 1.5808, 5.8428

Details

The CIELCh color $46, 7.349, 48.804$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.675, 231.115$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 7.485, 46.074$, and $26, 7.426, 51.881$ is the 20% darker color. If you saturate the color by 10%, you get $43, 12.023, 48.381$, and if you desaturate by 10%, it is $49, 3.004, 49.271$.

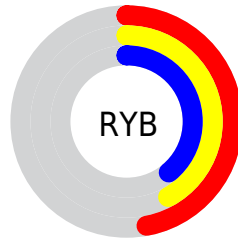
Distribution



Red (47%)

Green (42%)

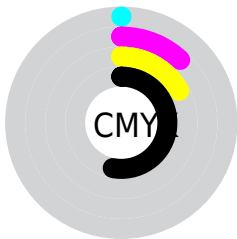
Blue (39%)



Red (47%)

Yellow (42%)

Blue (39%)

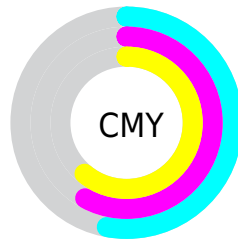


Cyan (0%)

Magenta (12%)

Yellow (17%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.349, 48.804 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 46, 7.349, 48.804 by changing the saturation by 10% instead.

■ 46, 7.349, 48.804 ■ 46, 7.349, 48.804

■ 100, 7.349, 48.804 ■ 36, 7.349, 48.804

■ 66, 7.349, 48.804 ■ 26, 7.349, 48.804

■ 76, 7.349, 48.804 ■ 16, 7.349, 48.804

■ 86, 7.349, 48.804 ■ 6, 7.349, 48.804

■ 96, 7.349, 48.804 ■ 0, 7.349, 48.804

■ 46, 7.349, 48.804 ■ 46, 7.349, 48.804

■ 43, 12.023, 48.381 ■ 49, 3.004, 49.271

■ 41, 17.051, 48.025 ■ 52, 1.042, 230.303

■ 38, 22.446, 47.775 ■ 54, 4.819, 230.645

■ 36, 28.201, 47.647

■ 57, 8.357, 231.243

■ 33, 34.262, 47.636

■ 60, 11.684,
231.871

■ 31, 40.493, 47.690

■ 63, 14.826,
232.506

■ 29, 46.581, 47.647

■ 28, 51.987, 47.281

■ 66, 17.805,
233.140

■ 27, 53.335, 47.239

■ 69, 20.641,
233.767

■ 71, 23.351,
234.382

Harmonies

Complementary

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



46, 7.349, 48.804



47, 6.675, 231.115

Rectangle

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



46, 7.349, 48.804



46, 7.349, 98.804



46, 7.349, 228.804



46, 7.349, 278.804

Sweetspot

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



46, 7.349, 48.817



63, 2.519, 49.343



45, 12.405, 334.738



32, 1.713, 49.329



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

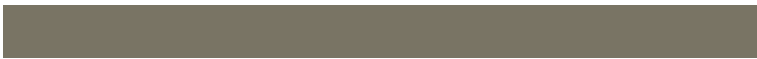
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 7.349, 48.817



58, 11.241, 48.628



49, 9.798, 97.448



24, 2.335, 49.200



28, 54.856, 47.295



57, 95.212, 46.156

Inverse Universe

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



47, 6.675, 231.115



60, 9.952, 231.494



44, 9.956, 281.519



25, 2.227, 230.494



35, 27.879, 251.605



69, 47.950, 254.484

Previews

White Background



This preview shows how the CIELCh color 46, 7.349, 48.804 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 46, 7.349, 48.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

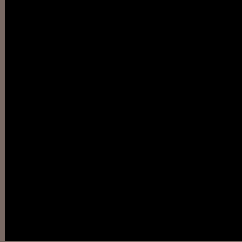
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 7.349, 48.804

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.349, 48.804.

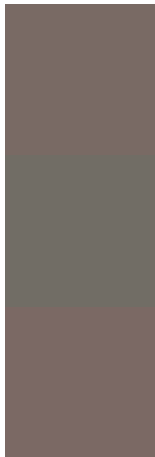


This preview shows how white text looks on a background with the CIELCh color 46, 7.349, 48.804.

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


46, 7.349, 48.804

Protanopia

46, 5.014, 89.845

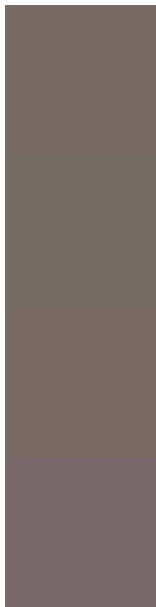
Deuteranopia

46, 8.287, 41.051



Tritanopia
46, 8.812, 347.995

Trichromacy



Original Color
46, 7.349, 48.804

Protanomaly
46, 5.346, 70.236

Deuteranomaly
46, 7.878, 42.147

Tritanomaly
46, 7.315, 6.281

Monochromacy



Original Color
46, 7.349, 48.804

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 2.721, 60.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.349, 48.804 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, 106, 100)` looks like.

```
.text, #text, p{  
    color:rgb(121, 106, 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(121, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 106, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.349, 48.804 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, 106, 100) }
```

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

```
.border{ border-color:rgb(121, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(121, 106,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.349, 48.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 106, 100) }
```

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

```
.background{ background-color: rgb(121,  
106, 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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