

Converting Colors

CIELCh(47, 1.500, 87.890)

Have a look what the booklet for
CIELCh(47, 1.500, 87.890) contains.

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Color

CIELCh(47, 1.427, 74.845)

Conversions

Conversions Part 1

Format	Color
Hex	716F6D
RGB	113, 111, 109
RGB Percent	44%, 44%, 43%
CMY	0.5564, 0.5642, 0.5721
CMYK	0.00, 0.02, 0.04, 0.56
HSL	30°, 2%, 44%
HSV	30°, 4%, 44%
XYZ	15.2888, 16.0195, 16.7873
YIQ	111.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

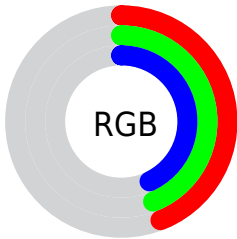
Format	Color
R_{YB}	113, 113, 109
Decimal	7434093
CIE _{Lab}	47.00, 0.37, 1.38
CIE _{LCh}	47, 1.427, 74.845
Yxy	16.0195, 0.3179, 0.3331
Android (android.graphics.Color)	4285624173 (0xFF716F6D)
YUV	111.3700, -1.1684, 1.4295
Hunter-Lab	40.0243, -1.8575, 3.1492

Details

The CIELCh color **47, 1.427, 74.845** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 1.425, 256.058**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 1.808, 84.909**, and **27, 1.108, 55.180** is the 20% darker color. If you saturate the color by 10%, you get **45, 5.596, 73.866**, and if you desaturate by 10%, it is **49, 2.571, 256.303**.

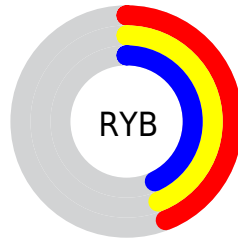
Distribution



Red (44%)

Green (44%)

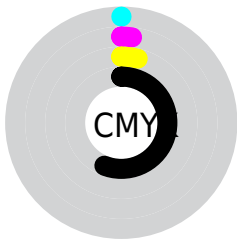
Blue (43%)



Red (44%)

Yellow (44%)

Blue (43%)

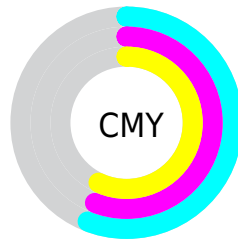


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (56%)



Cyan (56%)




Magenta (56%)

Yellow (57%)

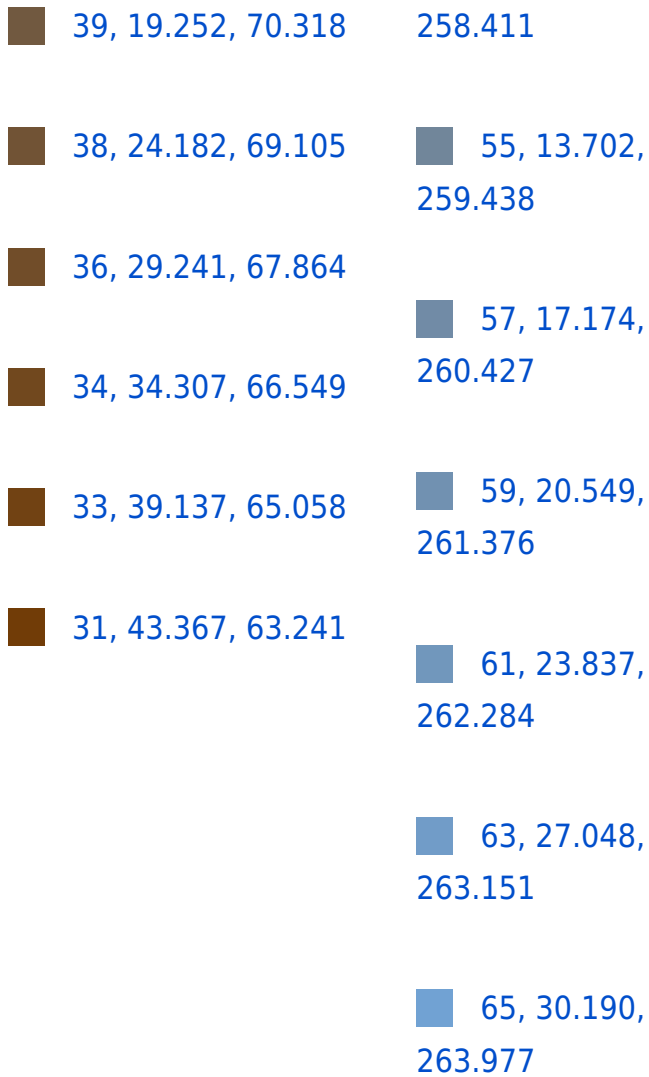
Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 1.427, 74.845 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, 1.427, 74.845 by changing the saturation by 10% instead.

 47, 1.427, 74.845	 47, 1.427, 74.845
 100, 1.427, 74.845	 37, 1.427, 74.845
 67, 1.427, 74.845	 27, 1.427, 74.845
 77, 1.427, 74.845	 17, 1.427, 74.845
 87, 1.427, 74.845	 7, 1.427, 74.845
 97, 1.427, 74.845	 0, 1.427, 74.845

 47, 1.427, 74.845	 47, 1.427, 74.845
 45, 5.596, 73.866	 49, 2.571, 256.303
 43, 9.951, 72.704	 51, 6.415, 257.353
 41, 14.502, 71.517	 53, 10.120,



Harmonies

Complementary

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



47, 1.427, 74.845



47, 1.425, 256.058

Rectangle

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



47, 1.427, 74.845



47, 1.427, 124.845



47, 1.427, 254.845



47, 1.427, 304.845

Sweetspot

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



47, 1.427, 74.902



61, 0.496, 74.767



46, 2.031, 343.792



31, 0.280, 74.725



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 1.427, 74.902



60, 2.015, 74.860



48, 2.350, 109.840



23, 1.131, 74.828



32, 48.396, 62.160



65, 83.597, 59.893

Inverse Universe

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



47, 1.425, 256.058



60, 2.007, 256.103



46, 2.379, 290.523



23, 1.125, 256.138



25, 39.859, 282.254



53, 71.942, 285.001

Previews

White Background



This preview shows how the CIELCh color 47, 1.427, 74.845 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, 1.427, 74.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

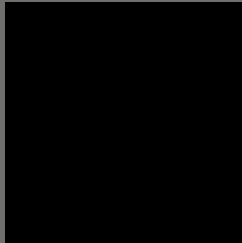
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

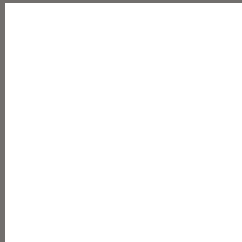
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 1.427, 74.845

Background



This preview shows how black text looks on a background with the CIELCh color 47, 1.427, 74.845.



This preview shows how white text looks on a background with the CIELCh color 47, 1.427, 74.845.

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, 1.427, 74.845

Protanopia

47, 1.697, 63.301

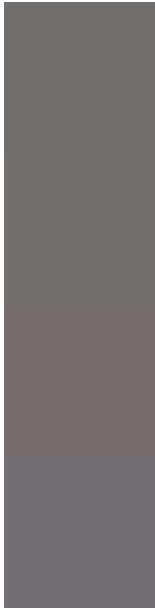
Deuteranopia

47, 6.345, 9.452



Tritanopia
47, 5.024, 309.337

Trichromacy



Original Color

47, 1.427, 74.845

Protanomaly

47, 1.697, 63.301

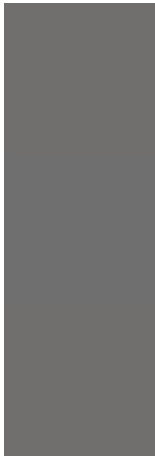
Deuteranomaly

47, 4.178, 11.724

Tritanomaly

47, 3.394, 318.952

Monochromacy



Original Color

47, 1.427, 74.845

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 0.710, 74.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 1.427, 74.845 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(113, 111, 109)` looks like.

```
.text, #text, p{  
    color:rgb(113, 111, 109)  
}
```

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(113, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 111, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 1.427, 74.845 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(113, 111, 109) }
```

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

```
.border{ border-color:rgb(113, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(113, 111,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 1.427, 74.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 111, 109) }
```

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

```
.background{ background-color: rgb(113,  
111, 109) }
```

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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