

Converting Colors

CIELCh(47, 0.603, 106.479)

Have a look what the booklet for
CIELCh(47, 0.603, 106.479) contains.

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Color

CIELCh(47, 0.710, 74.878)

Conversions

Conversions Part 1

Format	Color
Hex	706F6E
RGB	112, 111, 110
RGB Percent	44%, 44%, 43%
CMY	0.5598, 0.5637, 0.5676
CMYK	0.00, 0.01, 0.02, 0.56
HSL	30°, 1%, 44%
HSV	30°, 2%, 44%
XYZ	15.2572, 16.0195, 17.1143
YIQ	111.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

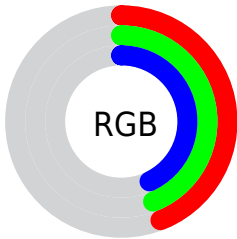
Format	Color
R_{YB}	112, 112, 110
Decimal	7368558
CIE Lab	47.00, 0.19, 0.69
CIE LCh	47, 0.710, 74.878
Yxy	16.0195, 0.3153, 0.3310
Android (android.graphics.Color)	4285558638 (0xFF706F6E)
YUV	111.1850, -0.5842, 0.7148
Hunter-Lab	40.0243, -1.9987, 2.6647

Details

The CIELCh color $[47, 0.710, 74.878]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[47, 0.717, 256.071]$, and the grayscale version is $[47, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 0.660, 74.795]$, and $[27, 0.450, 18.942]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 4.824, 74.121]$, and if you desaturate by 10%, it is $[49, 3.236, 256.535]$.

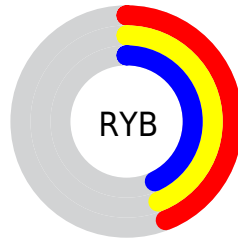
Distribution



Red (44%)

Green (44%)

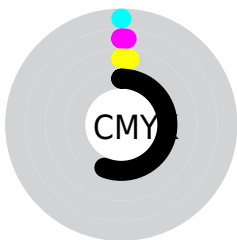
Blue (43%)



Red (44%)

Yellow (44%)

Blue (43%)

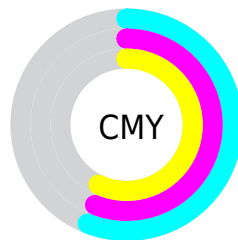


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (56%)



Cyan (56%)










Magenta (56%)









Yellow (57%)

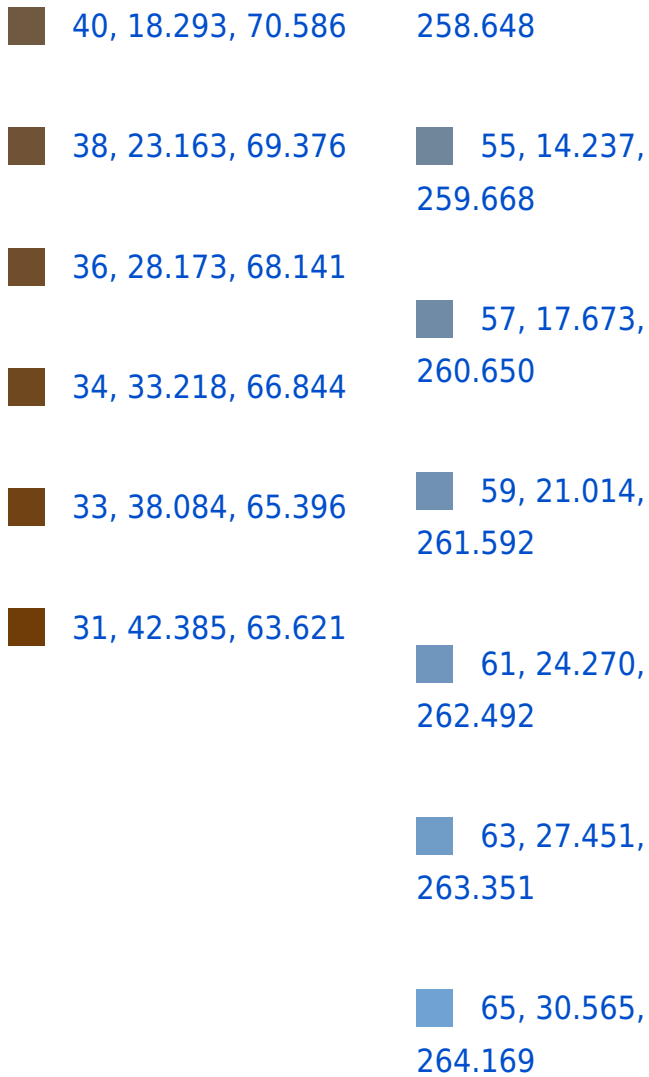
Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 0.710, 74.878 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, 0.710, 74.878 by changing the saturation by 10% instead.

 47, 0.710, 74.878	 47, 0.710, 74.878
 100, 0.710, 74.878	 37, 0.710, 74.878
 67, 0.710, 74.878	 27, 0.710, 74.878
 77, 0.710, 74.878	 17, 0.710, 74.878
 87, 0.710, 74.878	 7, 0.710, 74.878
 97, 0.710, 74.878	 0, 0.710, 74.878

 47, 0.710, 74.878	 47, 0.710, 74.878
 45, 4.824, 74.121	 49, 3.236, 256.535
 43, 9.119, 72.967	 51, 7.033, 257.596
 41, 13.608, 71.783	 53, 10.695,



Harmonies

Complementary

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



47, 0.710, 74.878



47, 0.717, 256.071

Rectangle

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



47, 0.710, 74.878



47, 0.710, 124.878



47, 0.710, 254.878



47, 0.710, 304.878

Sweetspot

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



47, 0.710, 74.991



60, 0.489, 74.823



47, 1.017, 343.527



31, 0.280, 74.782



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, 0.710, 74.991



60, 0.987, 75.005



47, 1.174, 109.981



23, 0.448, 74.992



32, 48.388, 62.203



65, 83.578, 59.936

Inverse Universe

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



47, 0.717, 256.071



60, 0.993, 256.059



47, 1.191, 290.376



23, 0.452, 256.070



25, 39.899, 282.306



53, 72.017, 285.052

Previews

White Background



This preview shows how the CIELCh color 47, 0.710, 74.878 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, 0.710, 74.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

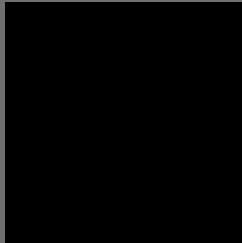
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

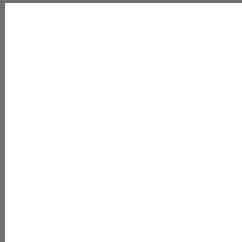
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 0.710, 74.878

Background



This preview shows how black text looks on a background with the CIELCh color 47, 0.710, 74.878.



This preview shows how white text looks on a background with the CIELCh color 47, 0.710, 74.878.

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, 0.710, 74.878

Protanopia

47, 1.357, 45.014

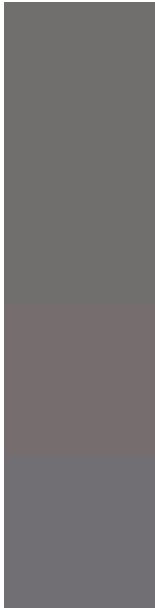
Deuteranopia

47, 6.061, 3.157



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color

47, 0.710, 74.878

Protanomaly

47, 1.001, 55.178

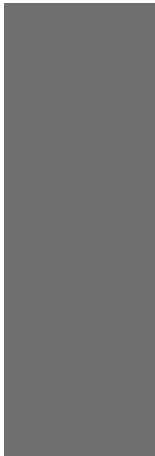
Deuteranomaly

47, 3.895, 2.161

Tritanomaly

47, 3.772, 309.263

Monochromacy



Original Color

47, 0.710, 74.878

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 0.710, 74.878 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(112, 111, 110)` looks like.

```
.text, #text, p{  
    color:rgb(112, 111, 110)  
}
```

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(112, 111, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 111, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 0.710, 74.878 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(112, 111, 110) }
```

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

```
.border{ border-color:rgb(112, 111, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 111, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 111, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 111, 110);  
box-shadow:4px 4px 4px 4px rgb(112, 111,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 0.710, 74.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 111, 110) }
```

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

```
.background{ background-color: rgb(112,  
111, 110) }
```

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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