

Converting Colors

CIELCh(48, 3.954, 39.261)

Have a look what the booklet for
CIELCh(48, 3.954, 39.261) contains.

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Color

CIELCh(48, 3.906, 37.202)

Conversions

Conversions Part 1

Format	Color
Hex	79706E
RGB	121, 112, 110
RGB Percent	47%, 44%, 43%
CMY	0.5253, 0.5606, 0.5684
CMYK	0.00, 0.07, 0.09, 0.53
HSL	11°, 5%, 45%
HSV	11°, 9%, 47%
XYZ	16.5088, 16.7945, 17.1371
YIQ	114.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

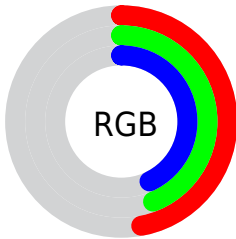
Format	Color
RYB	121, 112, 110
Decimal	7958638
CIELab	48.00, 3.11, 2.36
CIElCh	48, 3.906, 37.202
Yxy	16.7945, 0.3273, 0.3330
Android (android.graphics.Color)	4286148718 (0xFF79706E)
YUV	114.4630, -2.2003, 5.7329
Hunter-Lab	40.9810, 0.1902, 3.8933

Details

The CIELCh color **48, 3.906, 37.202** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 3.699, 217.683**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 3.623, 37.183**, and **28, 3.720, 29.916** is the 20% darker color. If you saturate the color by 10%, you get **45, 8.534, 37.263**, and if you desaturate by 10%, it is **51, 0.378, 218.430**.

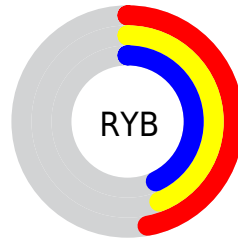
Distribution



Red (47%)

Green (44%)

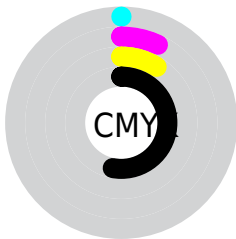
Blue (43%)



Red (47%)

Yellow (44%)

Blue (43%)

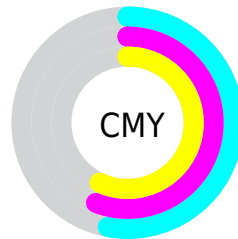


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 3.906, 37.202 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 48, 3.906, 37.202 by changing the saturation by 10% instead.

■ 48, 3.906, 37.202 ■ 48, 3.906, 37.202

■ 100, 3.906, 37.202 ■ 38, 3.906, 37.202

■ 68, 3.906, 37.202 ■ 28, 3.906, 37.202

■ 78, 3.906, 37.202 ■ 18, 3.906, 37.202

■ 88, 3.906, 37.202 ■ 8, 3.906, 37.202

■ 98, 3.906, 37.202 ■ 0, 3.906, 37.202

■ 48, 3.906, 37.202 ■ 48, 3.906, 37.202

■ 45, 8.534, 37.263 ■ 51, 0.378, 218.430

■ 42, 13.536, 37.387 ■ 54, 4.349, 217.695

■ 39, 18.930, 37.660 ■ 57, 8.040, 217.885

36, 24.718, 38.122

61, 11.484,
218.138

34, 30.872, 38.809

64, 14.709,
218.424

31, 37.311, 39.733

29, 43.862, 40.848

67, 17.741,
218.730

27, 50.149, 41.953

70, 20.605,
219.047

26, 55.254, 42.461

74, 23.320,
219.370

77, 25.904,
219.695

Harmonies

Complementary

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



48, 3.906, 37.202



49, 3.699, 217.683

Rectangle

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



48, 3.906, 37.202



48, 3.906, 87.202



48, 3.906, 217.202



48, 3.906, 267.202

Sweetspot

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



48, 3.905, 37.224



64, 1.566, 37.083



48, 7.025, 329.886



33, 1.184, 37.131



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 3.905, 37.224



61, 5.932, 37.232



50, 4.534, 90.014



24, 2.442, 37.224



27, 57.240, 42.674



55, 99.798, 42.552

Inverse Universe

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



49, 3.699, 217.683



63, 5.540, 217.718



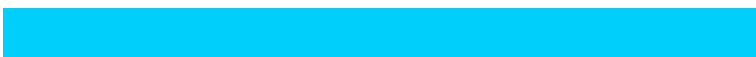
48, 4.535, 272.288



25, 2.313, 217.682



40, 25.697, 230.334



77, 43.353, 232.403

Previews

White Background



This preview shows how the CIELCh color 48, 3.906, 37.202 looks on a white background.

Color Contrast Check

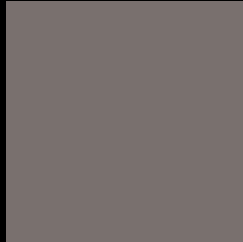
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 3.906, 37.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

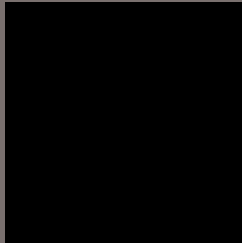
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 3.906, 37.202

Background



This preview shows how black text looks on a background with the CIELCh color 48, 3.906, 37.202.



This preview shows how white text looks on a background with the CIELCh color 48, 3.906, 37.202.

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


48, 3.906, 37.202

Protanopia

48, 2.010, 55.148

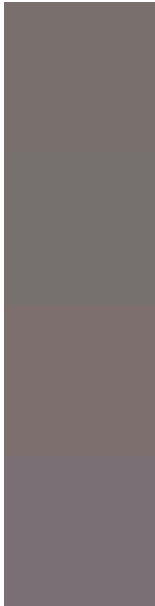
Deuteranopia

48, 6.675, 20.149



Tritanopia
48, 6.504, 333.743

Trichromacy



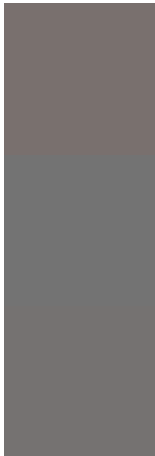
Original Color
48, 3.906, 37.202

Protanomaly
48, 2.359, 49.307

Deuteranomaly
48, 5.441, 26.148

Tritanomaly
48, 5.380, 346.868

Monochromacy



Original Color
48, 3.906, 37.202

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.350, 45.011

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 48, 3.906, 37.202 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, 112, 110)` looks like.

```
.text, #text, p{  
    color:rgb(121, 112, 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(121, 112, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 112, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 3.906, 37.202 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, 112, 110) }
```

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

```
.border{ border-color:rgb(121, 112, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 112, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 112, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 112, 110);  
box-shadow:4px 4px 4px 4px rgb(121, 112,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 3.906, 37.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 112, 110) }
```

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

```
.background{ background-color: rgb(121,  
112, 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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