

Converting Colors

CIELCh(47, 3.353, 36.328)

Have a look what the booklet for
CIELCh(47, 3.353, 36.328) contains.

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Color

CIELCh(47, 3.519, 39.218)

Conversions

Conversions Part 1

Format	Color
Hex	766E6C
RGB	118, 110, 108
RGB Percent	46%, 43%, 42%
CMY	0.5381, 0.5695, 0.5773
CMYK	0.00, 0.07, 0.08, 0.54
HSL	12°, 4%, 44%
HSV	12°, 8%, 46%
XYZ	15.6892, 16.0195, 16.3924
YIQ	112.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

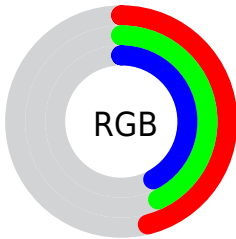
Format	Color
RYB	118, 111, 108
Decimal	7761516
CIELab	47.00, 2.73, 2.22
CIElCh	47, 3.519, 39.218
Yxy	16.0195, 0.3262, 0.3330
Android (android.graphics.Color)	4285951596 (0xFF766E6C)
YUV	112.1640, -2.0529, 5.1182
Hunter-Lab	40.0243, -0.0719, 3.7341

Details

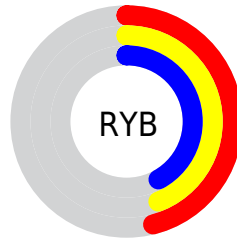
The CIELCh color $47, 3.519, 39.218$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.348, 219.836$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 3.489, 47.719$, and $27, 3.474, 41.687$ is the 20% darker color. If you saturate the color by 10%, you get $44, 7.971, 39.193$, and if you desaturate by 10%, it is $50, 0.606, 220.148$.

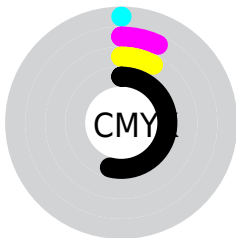
Distribution



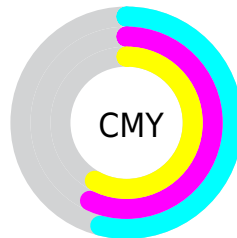
- Red (46%)
- Green (43%)
- Blue (42%)



- Red (46%)
- Yellow (44%)
- Blue (42%)



- Cyan (0%)
- Magenta (7%)
- Yellow (8%)
- Black (54%)



- Cyan (54%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 3.519, 39.218 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, 3.519, 39.218 by changing the saturation by 10% instead.

■ 47, 3.519, 39.218 ■ 47, 3.519, 39.218

■ 100, 3.519, 39.218 ■ 37, 3.519, 39.218

■ 67, 3.519, 39.218 ■ 27, 3.519, 39.218

■ 77, 3.519, 39.218 ■ 17, 3.519, 39.218

■ 87, 3.519, 39.218 ■ 7, 3.519, 39.218

■ 97, 3.519, 39.218 ■ 0, 3.519, 39.218

■ 47, 3.519, 39.218 ■ 47, 3.519, 39.218

■ 44, 7.971, 39.193 ■ 50, 0.606, 220.148

■ 41, 12.782, 39.213 ■ 53, 4.433, 219.880

■ 38, 17.970, 39.366 ■ 56, 7.996, 220.145

■ 36, 23.541, 39.689

■ 59, 11.323,
220.466

■ 33, 29.474, 40.215

■ 62, 14.443,
220.815

■ 31, 35.702, 40.955

■ 29, 42.070, 41.864

■ 65, 17.381,
221.180

■ 27, 48.239, 42.763

■ 68, 20.159,
221.554

■ 25, 53.292, 43.028

■ 71, 22.795,
221.930

■ 75, 25.308,
222.305

Harmonies

Complementary

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



47, 3.519, 39.218



48, 3.348, 219.836

Rectangle

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



47, 3.519, 39.218



47, 3.519, 89.218



47, 3.519, 219.218



47, 3.519, 269.218

Sweetspot

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



47, 3.518, 39.243



62, 1.508, 39.148



47, 6.262, 330.996



32, 1.140, 39.190



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, 3.518, 39.243



60, 5.172, 39.235



48, 4.277, 92.683



23, 2.331, 39.241



26, 55.851, 43.278



55, 98.319, 43.065

Inverse Universe

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



48, 3.348, 219.836



61, 4.867, 219.875



47, 4.292, 274.757



24, 2.210, 219.847



38, 25.445, 234.098



75, 43.358, 236.432

Previews

White Background



This preview shows how the CIELCh color 47, 3.519, 39.218 looks on a white background.

Color Contrast Check

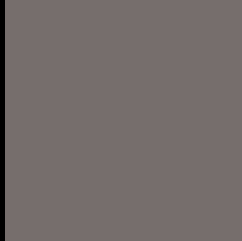
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.519, 39.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

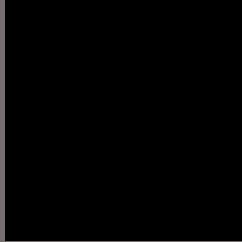
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 3.519, 39.218

Background



This preview shows how black text looks on a background with the CIELCh color 47, 3.519, 39.218.



This preview shows how white text looks on a background with the CIELCh color 47, 3.519, 39.218.

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, 3.519, 39.218

Protanopia

47, 2.148, 74.703

Deuteranopia

47, 6.272, 20.108



Tritanopia
47, 6.971, 330.410

Trichromacy



Original Color

47, 3.519, 39.218

Protanomaly

47, 2.410, 66.567

Deuteranomaly

47, 5.038, 26.625

Tritanomaly

47, 5.059, 344.261

Monochromacy



Original Color

47, 3.519, 39.218

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.357, 45.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 3.519, 39.218 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, 110, 108)` looks like.

```
.text, #text, p{  
    color:rgb(118, 110, 108)  
}
```

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, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 110, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 3.519, 39.218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

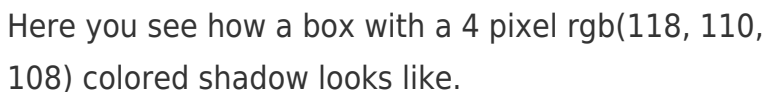
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 110, 108) }
```

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

```
.border{ border-color:rgb(118, 110, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 110, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 110, 108); box-shadow:4px 4px 4px 4px rgb(118, 110, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 3.519, 39.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 110, 108) }
```

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

```
.background{ background-color: rgb(118,  
110, 108) }
```

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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