

Converting Colors

CIELCh(47, 4.538, 313.225)

Have a look what the booklet for
CIELCh(47, 4.538, 313.225) contains.

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Color

CIELCh(47, 4.468, 311.741)

Conversions

Conversions Part 1

Format	Color
Hex	726E75
RGB	114, 110, 117
RGB Percent	45%, 43%, 46%
CMY	0.5529, 0.5685, 0.5411
CMYK	0.03, 0.06, 0.00, 0.54
HSL	274°, 3%, 45%
HSV	274°, 6%, 46%
XYZ	15.7319, 16.0195, 19.0983
YIQ	111.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

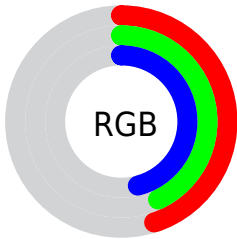
Format	Color
R _Y B	114, 110, 117
Decimal	7499381
CIE Lab	47.00, 2.97, -3.33
CIE LCh	47, 4.468, 311.741
Yxy	16.0195, 0.3094, 0.3150
Android (android.graphics.Color)	4285689461 (0xFF726E75)
YUV	111.9940, 2.4680, 1.7593
Hunter-Lab	40.0243, 0.1183, -0.2743

Details

The CIELCh color **47, 4.468, 311.741** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 4.428, 131.305**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 4.172, 311.664**, and **27, 4.141, 309.397** is the 20% darker color. If you saturate the color by 10%, you get **43, 12.078, 312.171**, and if you desaturate by 10%, it is **51, 2.951, 131.401**.

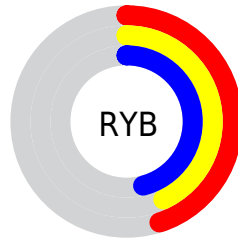
Distribution



Red (45%)

Green (43%)

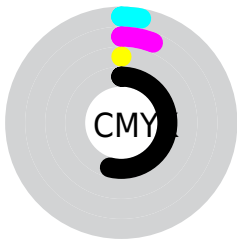
Blue (46%)



Red (45%)

Yellow (43%)

Blue (46%)

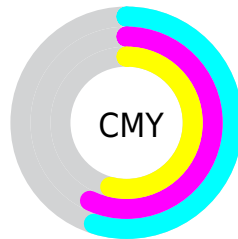


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (54%)



Cyan (55%)

Magenta (57%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 4.468, 311.741 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, 4.468, 311.741 by changing the saturation by 10% instead.

■ 47, 4.468, 311.741

■ 47, 4.468, 311.741

■ 100, 4.468,
311.741

■ 37, 4.468, 311.741

■ 67, 4.468, 311.741

■ 27, 4.468, 311.741

■ 77, 4.468, 311.741

■ 17, 4.468, 311.741

■ 87, 4.468, 311.741

■ 7, 4.468, 311.741

■ 97, 4.468, 311.741

■ 0, 4.468, 311.741

■ 47, 4.468, 311.741

■ 47, 4.468, 311.741

■ 43, 12.078,
312.171

■ 51, 2.951, 131.401

■ 40, 19.856,

■ 55, 10.163,
131.022

312.620

58, 17.167,
130.697

36, 27.746,
313.079

62, 23.966,
130.407

32, 35.651,
313.532

66, 30.567,
130.151

29, 43.418,
313.947

69, 36.979,
129.924

26, 50.803,
314.280

73, 43.211,
129.725

23, 57.466,
314.468

77, 49.273,
129.551

21, 62.978,
314.433

80, 55.175,
129.399

19, 67.159,
314.157

Harmonies

Complementary

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



47, 4.468, 311.741



49, 4.428, 131.305

Rectangle

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



47, 4.468, 311.741



47, 4.468, 1.741



47, 4.468, 131.741



47, 4.468, 181.741

Sweetspot

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



47, 4.467, 311.737



62, 1.856, 311.539



48, 2.618, 263.095



32, 1.049, 311.528



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, 4.467, 311.737



60, 6.521, 311.790



47, 4.812, 326.568



23, 3.374, 311.792



19, 71.157, 314.035



42, 121.228, 313.433

Inverse Universe

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



47, 3.378, 348.093



60, 4.933, 348.211



48, 4.800, 145.991



23, 2.552, 348.215



25, 49.040, 6.955



53, 83.302, 9.923

Previews

White Background



This preview shows how the CIELCh color 47, 4.468, 311.741 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, 4.468, 311.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

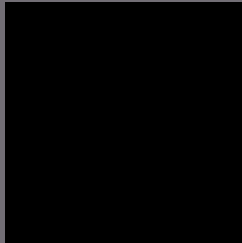
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

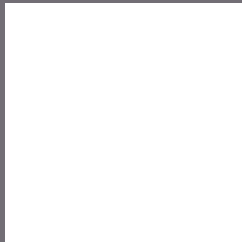
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 4.468, 311.741

Background



This preview shows how black text looks on a background with the CIELCh color 47, 4.468, 311.741.



This preview shows how white text looks on a background with the CIELCh color 47, 4.468, 311.741.

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, 4.468, 311.741

Protanopia

47, 3.583, 297.063

Deuteranopia

47, 6.971, 330.410



Tritanopia
47, 5.024, 309.337

Trichromacy



Original Color

47, 4.468, 311.741

Protanomaly

47, 3.654, 303.303

Deuteranomaly

47, 5.761, 324.768

Tritanomaly

47, 5.024, 309.337

Monochromacy



Original Color

47, 4.468, 311.741

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.965, 314.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 4.468, 311.741 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(114, 110, 117)` looks like.

```
.text, #text, p{  
    color:rgb(114, 110, 117)  
}
```

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(114, 110, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 110, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 4.468, 311.741 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(114, 110, 117) }
```

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

```
.border{ border-color:rgb(114, 110, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 110, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 110, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 110, 117);  
box-shadow:4px 4px 4px 4px rgb(114, 110,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 4.468, 311.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 110, 117) }
```

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

```
.background{ background-color: rgb(114,  
110, 117) }
```

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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