

Converting Colors

CIELCh(47, 11.396, 311.569)

Have a look what the booklet for
CIELCh(47, 11.396, 311.569)
contains.

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Color

CIELCh(47, 11.413, 311.573)

Conversions

Conversions Part 1

Format	Color
Hex	766C7E
RGB	118, 108, 126
RGB Percent	46%, 42%, 49%
CMY	0.5381, 0.5773, 0.5067
CMYK	0.06, 0.14, 0.00, 0.51
HSL	273°, 8%, 46%
HSV	273°, 14%, 49%
XYZ	16.5358, 16.0195, 21.8875
YIQ	113.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

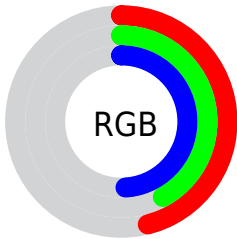
Format	Color
R_{YB}	118, 108, 126
Decimal	7761022
CIE Lab	47.00, 7.57, -8.54
CIE LCh	47, 11.413, 311.573
Yxy	16.0195, 0.3037, 0.2942
Android (android.graphics.Color)	4285951102 (0xFF766C7E)
YUV	113.0420, 6.3883, 4.3482
Hunter-Lab	40.0243, 3.7036, -4.4060

Details

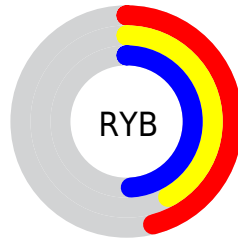
The CIELCh color $47, 11.413, 311.573$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 11.224, 130.396$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 11.838, 311.263$, and $27, 11.144, 312.042$ is the 20% darker color. If you saturate the color by 10%, you get $43, 19.619, 312.028$, and if you desaturate by 10%, it is $51, 3.393, 311.128$.

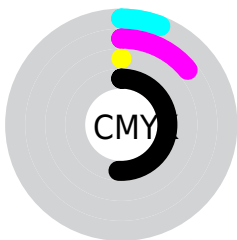
Distribution



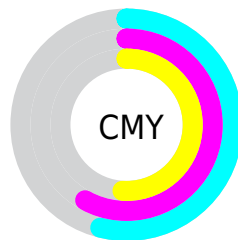
- Red (46%)
- Green (42%)
- Blue (49%)



- Red (46%)
- Yellow (42%)
- Blue (49%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)





- Cyan (54%)
- Magenta (58%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 11.413, 311.573 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, 11.413, 311.573 by changing the saturation by 10% instead.


 47, 11.413,
311.573


 47, 11.413,
311.573


 100, 11.413,
311.573


 37, 11.413,
311.573


 67, 11.413,
311.573


 27, 11.413,
311.573


 77, 11.413,
311.573


 17, 11.413,
311.573


 87, 11.413,
311.573

 7, 11.413, 311.573

 97, 11.413,
311.573

 0, 11.413, 311.573

 47, 11.413,

 47, 11.413,

311.573

43, 19.619,
312.028

39, 27.966,
312.499

35, 36.360,
312.970

32, 44.648,
313.411

28, 52.589,
313.778

25, 59.827,
314.008

22, 65.904,
314.020

20, 70.405,
313.741

311.573

51, 3.393, 311.128

55, 4.413, 130.788

59, 11.995,
130.421

63, 19.354,
130.099

67, 26.496,
129.815

71, 33.428,
129.563

75, 40.160,
129.342

79, 46.703,
129.149

■ 19, 72.822,
313.599

■ 83, 53.066,
128.981

Harmonies

Complementary

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



47, 11.413, 311.573



51, 11.224, 130.396

Rectangle

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



47, 11.413, 311.573



47, 11.413, 1.573



47, 11.413, 131.573



47, 11.413, 181.573

Sweetspot

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



47, 11.412, 311.572



65, 3.901, 311.118



48, 6.535, 262.562



33, 2.760, 311.148



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 11.412, 311.572



59, 16.846, 311.711



48, 12.409, 326.562



25, 4.517, 311.343



20, 73.543, 313.584



0, 0.000, 0.000

Inverse Universe

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



47, 8.756, 347.953



59, 12.924, 348.252



51, 12.392, 144.973



25, 3.465, 347.464



26, 50.508, 5.688



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 11.413, 311.573 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, 11.413, 311.573 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, 11.413, 311.573

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.413, 311.573.



This preview shows how white text looks on a background with the CIELCh color 47, 11.413, 311.573.

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, 11.413, 311.573

Protanopia

47, 10.076, 287.203

Deuteranopia

47, 10.477, 306.579



Tritanopia
47, 6.256, 321.723

Trichromacy



Original Color
47, 11.413, 311.573

Protanomaly
47, 10.116, 295.897

Deuteranomaly
47, 10.587, 308.635

Tritanomaly
47, 7.825, 315.047

Monochromacy



Original Color
47, 11.413, 311.573

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.461, 311.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 11.413, 311.573 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, 108, 126)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 126)  
}
```

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, 108, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.413, 311.573 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, 108, 126) }
```

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

```
.border{ border-color:rgb(118, 108, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 126);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.413, 311.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 126) }
```

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

```
.background{ background-color: rgb(118,  
108, 126) }
```

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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