

Converting Colors

CIELCh(48, 10.352, 309.627)

Have a look what the booklet for
CIELCh(48, 10.352, 309.627)
contains.

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Color

CIELCh(48, 9.994, 309.608)

Conversions

Conversions Part 1

Format	Color
Hex	776F7F
RGB	119, 111, 127
RGB Percent	47%, 44%, 50%
CMY	0.5337, 0.5650, 0.5023
CMYK	0.06, 0.13, 0.00, 0.50
HSL	270°, 7%, 47%
HSV	270°, 13%, 50%
XYZ	17.0944, 16.7945, 22.3876
YIQ	115.2160, -0.3680, 6.6720

Conversions

Conversions Part 2

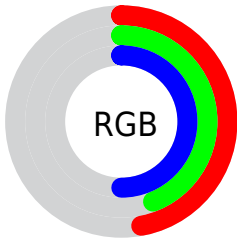
Format	Color
R_{YB}	119, 111, 127
Decimal	7827327
CIE _{Lab}	48.00, 6.37, -7.70
CIE _{LCh}	48, 9.994, 309.608
Yxy	16.7945, 0.3038, 0.2984
Android (android.graphics.Color)	4286017407 (0xFF776F7F)
YUV	115.2160, 5.8095, 3.3186
Hunter-Lab	40.9810, 2.7409, -3.7028

Details

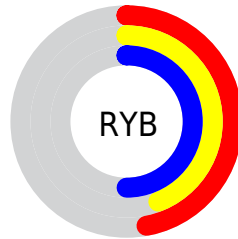
The CIELCh color **48, 9.994, 309.608** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **52, 9.826, 128.536**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.866, 308.455**, and **28, 10.346, 310.998** is the 20% darker color. If you saturate the color by 10%, you get **44, 18.158, 310.088**, and if you desaturate by 10%, it is **52, 2.040, 309.134**.

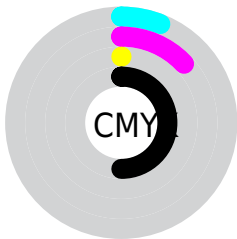
Distribution



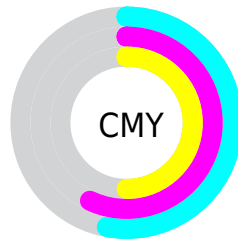
- Red (47%)
- Green (44%)
- Blue (50%)



- Red (47%)
- Yellow (44%)
- Blue (50%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.994, 309.608 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, 9.994, 309.608 by changing the saturation by 10% instead.

■ 48, 9.994, 309.608

■ 48, 9.994, 309.608

■ 100, 9.994,
309.608

■ 38, 9.994, 309.608

■ 68, 9.994, 309.608

■ 28, 9.994, 309.608

■ 78, 9.994, 309.608

■ 18, 9.994, 309.608

■ 88, 9.994, 309.608

■ 8, 9.994, 309.608

■ 98, 9.994, 309.608

■ 0, 9.994, 309.608

■ 48, 9.994, 309.608

■ 48, 9.994, 309.608

■ 44, 18.158,
310.088

■ 52, 2.040, 309.134

■ 40, 26.501,

■ 56, 5.684, 128.792

310.597

60, 13.177,
128.426

36, 34.950,
311.120

64, 20.443,
128.106

32, 43.378,
311.632

68, 27.490,
127.826

28, 51.572,
312.090

72, 34.329,
127.580

25, 59.201,
312.431

76, 40.969,
127.365

22, 65.801,
312.568

80, 47.421,
127.180

20, 70.837,
312.401

84, 53.697,
127.020

18, 74.145,
312.257

Harmonies

Complementary

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



48, 9.994, 309.608



52, 9.826, 128.536

Rectangle

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



48, 9.994, 309.608



48, 9.994, 359.608



48, 9.994, 129.608



48, 9.994, 179.608

Sweetspot

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



48, 9.993, 309.606



66, 3.903, 309.212



50, 5.475, 255.227



34, 2.797, 309.244



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 9.993, 309.606



60, 14.849, 309.736



49, 11.328, 324.632



25, 4.464, 309.444



18, 74.398, 312.251



0, 0.000, 0.000

Inverse Universe

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



48, 8.038, 344.636



61, 11.935, 344.884



51, 11.310, 143.303



25, 3.594, 344.326



26, 50.838, 0.543



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.994, 309.608 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, 9.994, 309.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

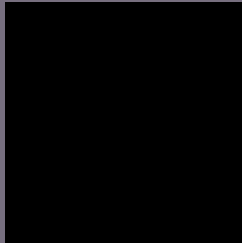
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 9.994, 309.608

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.994, 309.608.



This preview shows how white text looks on a background with the CIELCh color 48, 9.994, 309.608.

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, 9.994, 309.608

Protanopia

48, 8.852, 288.878

Deuteranopia

48, 9.994, 309.608



Tritanopia
48, 5.853, 314.942

Trichromacy



Original Color
48, 9.994, 309.608

Protanomaly
48, 9.540, 298.404

Deuteranomaly
48, 9.994, 309.608

Tritanomaly
48, 6.943, 310.994

Monochromacy



Original Color
48, 9.994, 309.608

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.066, 305.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.994, 309.608 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(119, 111, 127)` looks like.

```
.text, #text, p{  
    color:rgb(119, 111, 127)  
}
```

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(119, 111, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 111, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.994, 309.608 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(119, 111, 127) }
```

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

```
.border{ border-color:rgb(119, 111, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 111, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 111, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 111, 127);  
box-shadow:4px 4px 4px 4px rgb(119, 111,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.994, 309.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 111, 127) }
```

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

```
.background{ background-color: rgb(119,  
111, 127) }
```

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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