

Converting Colors

CIELCh(47, 7.634, 311.525)

Have a look what the booklet for
CIELCh(47, 7.634, 311.525) contains.

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Color

CIELCh(47, 7.670, 312.312)

Conversions

Conversions Part 1

Format	Color
Hex	746D79
RGB	116, 109, 121
RGB Percent	45%, 43%, 47%
CMY	0.5452, 0.5727, 0.5256
CMYK	0.04, 0.10, 0.00, 0.53
HSL	275°, 5%, 45%
HSV	275°, 10%, 47%
XYZ	16.1111, 16.0195, 20.3200
YIQ	112.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

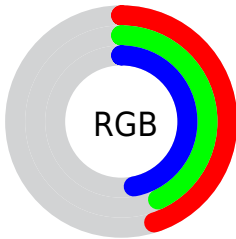
Format	Color
R_{YB}	116, 109, 121
Decimal	7630201
CIE Lab	47.00, 5.16, -5.67
CIE LCh	47, 7.670, 312.312
Yxy	16.0195, 0.3072, 0.3054
Android (android.graphics.Color)	4285820281 (0xFF746D79)
YUV	112.4610, 4.2097, 3.1037
Hunter-Lab	40.0243, 1.8097, -2.0840

Details

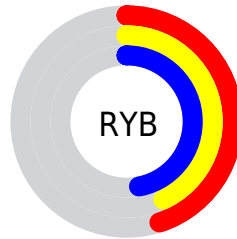
The CIELCh color $47, 7.670, 312.312$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 7.582, 131.536$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 7.824, 313.284$, and $27, 7.652, 311.222$ is the 20% darker color. If you saturate the color by 10%, you get $43, 15.581, 312.746$, and if you desaturate by 10%, it is $51, 0.056, 133.713$.

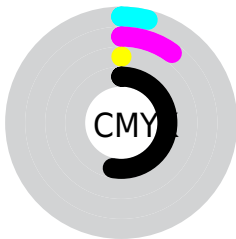
Distribution



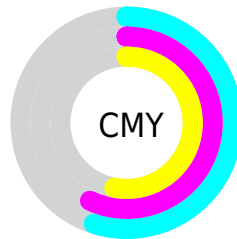
- Red (45%)
- Green (43%)
- Blue (47%)



- Red (45%)
- Yellow (43%)
- Blue (47%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.670, 312.312 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, 7.670, 312.312 by changing the saturation by 10% instead.

■ 47, 7.670, 312.312

■ 47, 7.670, 312.312

■ 100, 7.670,
312.312

■ 37, 7.670, 312.312

■ 67, 7.670, 312.312

■ 27, 7.670, 312.312

■ 77, 7.670, 312.312

■ 17, 7.670, 312.312

■ 87, 7.670, 312.312

■ 7, 7.670, 312.312

■ 97, 7.670, 312.312

■ 0, 7.670, 312.312

■ 47, 7.670, 312.312

■ 47, 7.670, 312.312

■ 43, 15.581,
312.746

■ 51, 0.056, 133.713

■ 39, 23.641,

■ 55, 7.573, 131.565

313.196

59, 14.877,
131.223

36, 31.774,
313.650

62, 21.968,
130.919

32, 39.858,
314.083

66, 28.851,
130.648

29, 47.693,
314.460

70, 35.536,
130.408

26, 54.986,
314.729

74, 42.031,
130.197

23, 61.343,
314.821

78, 48.347,
130.011

21, 66.312,
314.654

81, 54.493,
129.850

19, 70.344,
314.362

Harmonies

Complementary

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



47, 7.670, 312.312



50, 7.582, 131.536

Rectangle

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



47, 7.670, 312.312



47, 7.670, 2.312



47, 7.670, 132.312



47, 7.670, 182.312

Sweetspot

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



47, 7.669, 312.310



64, 2.868, 312.002



48, 4.460, 263.591



33, 2.163, 312.039



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 7.669, 312.310



59, 11.584, 312.413



47, 8.220, 326.797



24, 4.393, 312.274



20, 72.057, 314.324



43, 121.853, 313.744

Inverse Universe

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



47, 5.745, 349.195



60, 8.683, 349.424



50, 8.205, 145.737



24, 3.290, 349.115



26, 49.793, 8.192



54, 84.089, 11.139

Previews

White Background



This preview shows how the CIELCh color 47, 7.670, 312.312 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, 7.670, 312.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

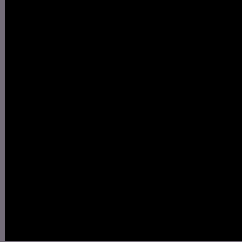
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 7.670, 312.312

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.670, 312.312.



This preview shows how white text looks on a background with the CIELCh color 47, 7.670, 312.312.

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, 7.670, 312.312

Protanopia

47, 6.518, 287.635

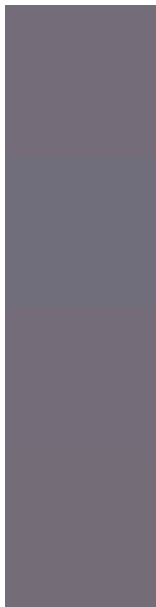
Deuteranopia

47, 8.714, 318.310



Tritanopia
47, 6.058, 318.434

Trichromacy



Original Color
47, 7.670, 312.312

Protanomaly
47, 7.169, 297.418

Deuteranomaly
47, 8.539, 315.904

Tritanomaly
47, 6.586, 316.048

Monochromacy



Original Color
47, 7.670, 312.312

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.515, 309.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.670, 312.312 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(116, 109, 121)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 121)  
}
```

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(116, 109, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.670, 312.312 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(116, 109, 121) }
```

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

```
.border{ border-color:rgb(116, 109, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 109, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 109, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 109, 121);  
box-shadow:4px 4px 4px 4px rgb(116, 109,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.670, 312.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 121) }
```

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

```
.background{ background-color: rgb(116,  
109, 121) }
```

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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