

Converting Colors

CIELCh(47, 9.542, 332.341)

Have a look what the booklet for
CIELCh(47, 9.542, 332.341) contains.

CIELCh(47, 9.626, 333.130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 9.626, 333.130)

Conversions

Conversions Part 1

Format	Color
Hex	7B6B77
RGB	123, 107, 119
RGB Percent	48%, 42%, 47%
CMY	0.5182, 0.5809, 0.5338
CMYK	0.00, 0.13, 0.03, 0.52
HSL	315°, 7%, 45%
HSV	315°, 13%, 48%
XYZ	16.7165, 16.0195, 19.6234
YIQ	113.1520, 5.6840, 7.1240

Conversions

Conversions Part 2

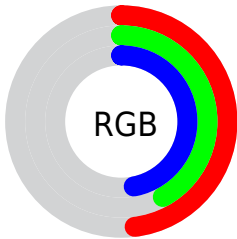
Format	Color
R_{YB}	123, 107, 119
Decimal	8088439
CIE _{Lab}	47.00, 8.59, -4.35
CIE _{LCh}	47, 9.626, 333.130
Yxy	16.0195, 0.3193, 0.3060
Android (android.graphics.Color)	4286278519 (0xFF7B6B77)
YUV	113.1520, 2.8831, 8.6367
Hunter-Lab	40.0243, 4.5097, -1.0521

Details

The CIELCh color $47, 9.626, 333.130$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 9.582, 151.504$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 9.929, 334.048$, and $27, 9.460, 332.098$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.090, 333.801$, and if you desaturate by 10%, it is $50, 2.217, 332.424$.

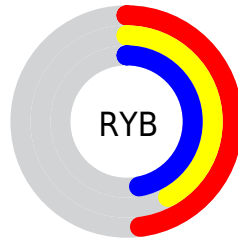
Distribution



Red (48%)

Green (42%)

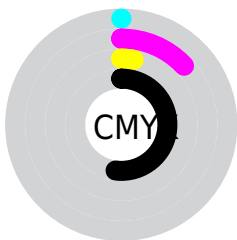
Blue (47%)



Red (48%)

Yellow (42%)

Blue (47%)

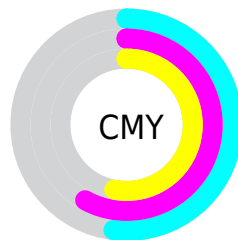


Cyan (0%)

Magenta (13%)

Yellow (3%)

Black (52%)



Cyan (52%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 9.626, 333.130 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, 9.626, 333.130 by changing the saturation by 10% instead.

■ 47, 9.626, 333.130

■ 47, 9.626, 333.130

■ 100, 9.626,
333.130

■ 37, 9.626, 333.130

■ 67, 9.626, 333.130

■ 27, 9.626, 333.130

■ 77, 9.626, 333.130

■ 17, 9.626, 333.130

■ 87, 9.626, 333.130

■ 7, 9.626, 333.130

■ 97, 9.626, 333.130

■ 0, 9.626, 333.130

■ 47, 9.626, 333.130

■ 47, 9.626, 333.130

■ 44, 17.090,
333.801

■ 50, 2.217, 332.424

■ 40, 24.498,

■ 54, 5.059, 151.972

334.498

58, 12.160,
151.376

37, 31.680,
335.229

61, 19.065,
150.830

35, 38.406,
336.003

65, 25.765,
150.315

32, 44.389,
336.832

69, 32.261,
149.830

30, 49.307,
337.740

72, 38.561,
149.373

28, 52.866,
338.759

76, 44.674,
148.941

27, 54.893,
339.933

80, 50.612,
148.534

27, 55.935,
340.788

Harmonies

Complementary

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



47, 9.626, 333.130



50, 9.582, 151.504

Rectangle

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



47, 9.626, 333.130



47, 9.626, 23.130



47, 9.626, 153.130



47, 9.626, 203.130

Sweetspot

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



47, 9.624, 333.131



64, 3.662, 332.517



46, 9.673, 300.734



33, 2.623, 332.568



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, 9.624, 333.131



59, 14.759, 333.356



47, 7.037, 0.682



24, 4.141, 332.869



27, 56.597, 340.815



57, 94.409, 341.686

Inverse Universe

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



47, 9.624, 333.131



59, 14.759, 333.356



50, 6.746, 178.420



24, 4.141, 332.869



27, 56.597, 340.815



57, 94.409, 341.686

Previews

White Background



This preview shows how the CIELCh color 47, 9.626, 333.130 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 CIELCh color 47, 9.626, 333.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

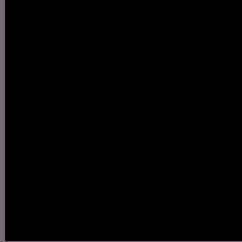
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 9.626, 333.130

Background



This preview shows how black text looks on a background with the CIELCh color 47, 9.626, 333.130.



This preview shows how white text looks on a background with the CIELCh color 47, 9.626, 333.130.

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, 9.626, 333.130

Protanopia

47, 5.922, 290.987

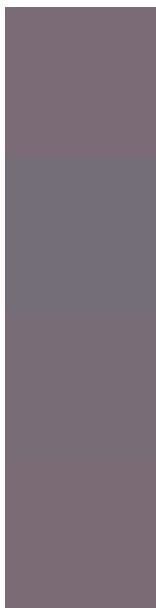
Deuteranopia

47, 7.908, 324.902



Tritanopia
47, 8.124, 339.497

Trichromacy



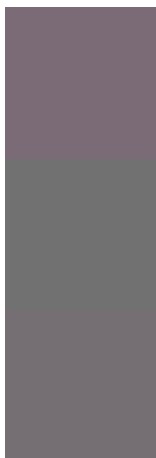
Original Color
47, 9.626, 333.130

Protanomaly
47, 6.274, 309.409

Deuteranomaly
47, 8.140, 327.294

Tritanomaly
47, 8.514, 336.472

Monochromacy



Original Color
47, 9.626, 333.130

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 3.412, 335.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 9.626, 333.130 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(123, 107, 119)` looks like.

```
.text, #text, p{  
    color:rgb(123, 107, 119)  
}
```

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(123, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 107, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 9.626, 333.130 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(123, 107, 119) }
```

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

```
.border{ border-color:rgb(123, 107, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(123, 107,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 9.626, 333.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 107, 119) }
```

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

```
.background{ background-color: rgb(123,  
107, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor