

Converting Colors

CIELCh(49, 4.650, 309.317)

Have a look what the booklet for
CIELCh(49, 4.650, 309.317) contains.

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Color

CIELCh(49, 4.986, 309.326)

Conversions

Conversions Part 1

Format	Color
Hex	77737B
RGB	119, 115, 123
RGB Percent	47%, 45%, 48%
CMY	0.5336, 0.5492, 0.5179
CMYK	0.03, 0.07, 0.00, 0.52
HSL	270°, 3%, 47%
HSV	270°, 7%, 48%
XYZ	17.2948, 17.5941, 21.2037
YIQ	117.1080, -0.1840, 3.3360

Conversions

Conversions Part 2

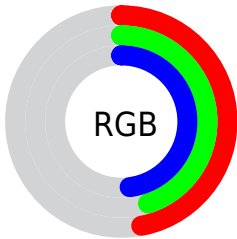
Format	Color
R_{YB}	119, 115, 123
Decimal	7828347
CIE _{Lab}	49.00, 3.16, -3.86
CIE _{LCh}	49, 4.986, 309.326
Y _{xy}	17.5941, 0.3083, 0.3137
Android (android.graphics.Color)	4286018427 (0xFF77737B)
Y _{UV}	117.1080, 2.9048, 1.6593
Hunter-Lab	41.9453, 0.1947, -0.6099

Details

The CIELCh color **49, 4.986, 309.326** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **51, 4.933, 128.809**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 4.665, 309.243**, and **29, 4.855, 311.868** is the 20% darker color. If you saturate the color by 10%, you get **45, 12.815, 309.785**, and if you desaturate by 10%, it is **53, 2.628, 128.956**.

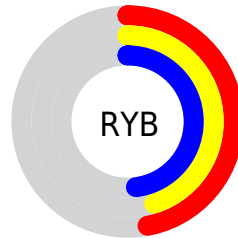
Distribution



Red (47%)

Green (45%)

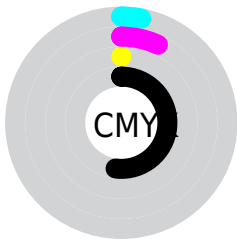
Blue (48%)



Red (47%)

Yellow (45%)

Blue (48%)

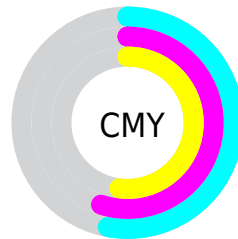


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.986, 309.326 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 49, 4.986, 309.326 by changing the saturation by 10% instead.

■ 49, 4.986, 309.326	■ 49, 4.986, 309.326
■ 100, 4.986, 309.326	■ 39, 4.986, 309.326
■ 69, 4.986, 309.326	■ 29, 4.986, 309.326
■ 79, 4.986, 309.326	■ 19, 4.986, 309.326
■ 89, 4.986, 309.326	■ 9, 4.986, 309.326
■ 99, 4.986, 309.326	■ 0, 4.986, 309.326

■ 49, 4.986, 309.326	■ 49, 4.986, 309.326
■ 45, 12.815, 309.785	■ 53, 2.628, 128.956
■ 41, 20.842,	■ 57, 10.017, 128.561

310.277

61, 17.183,
128.226

37, 29.020,
310.792

65, 24.133,
127.931

33, 37.263,
311.313

69, 30.876,
127.672

30, 45.419,
311.809

73, 37.422,
127.446

26, 53.243,
312.231

77, 43.782,
127.250

23, 60.367,
312.508

80, 49.966,
127.080

20, 66.302,
312.546

84, 55.985,
126.934

18, 70.828,
312.324

Harmonies

Complementary

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



49, 4.986, 309.326



51, 4.933, 128.809

Rectangle

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



49, 4.986, 309.326



49, 4.986, 359.326



49, 4.986, 129.326



49, 4.986, 179.326

Sweetspot

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



49, 4.985, 309.322



65, 1.901, 309.096



50, 2.765, 254.462



34, 1.089, 309.086



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 4.985, 309.322



62, 7.646, 309.399



49, 5.677, 324.301



24, 4.314, 309.439



18, 73.309, 312.273



40, 124.097, 311.677

Inverse Universe

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



49, 4.014, 344.086



63, 6.156, 344.239



51, 5.664, 143.682



24, 3.473, 344.316



26, 50.115, 0.445



54, 83.990, 2.906

Previews

White Background



This preview shows how the CIELCh color 49, 4.986, 309.326 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 49, 4.986, 309.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

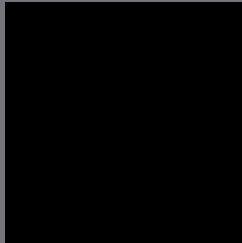
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

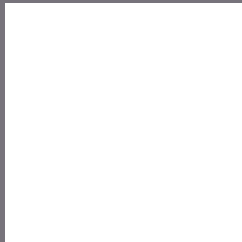
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 4.986, 309.326

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.986, 309.326.



This preview shows how white text looks on a background with the CIELCh color 49, 4.986, 309.326.

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


49, 4.986, 309.326

Protanopia

49, 4.115, 290.730

Deuteranopia

49, 7.621, 329.919



Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color

49, 4.986, 309.326

Protanomaly

49, 4.139, 296.201

Deuteranomaly

49, 6.425, 324.797

Tritanomaly

49, 5.545, 307.418

Monochromacy



Original Color

49, 4.986, 309.326

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.950, 314.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.986, 309.326 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, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(119, 115, 123)  
}
```

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, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 115, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.986, 309.326 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, 115, 123) }
```

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

```
.border{ border-color:rgb(119, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(119, 115,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.986, 309.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 115, 123) }
```

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

```
.background{ background-color: rgb(119,  
115, 123) }
```

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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