

Converting Colors

CIELCh(49, 5.146, 97.565)

Have a look what the booklet for
CIELCh(49, 5.146, 97.565) contains.

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Color

CIELCh(49, 4.836, 94.592)

Conversions

Conversions Part 1

Format	Color
Hex	77746C
RGB	119, 116, 108
RGB Percent	47%, 45%, 42%
CMY	0.5321, 0.5439, 0.5753
CMYK	0.00, 0.03, 0.09, 0.53
HSL	44°, 5%, 45%
HSV	44°, 9%, 47%
XYZ	16.6534, 17.5941, 16.7897
YIQ	115.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

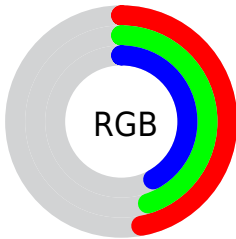
Format	Color
RYB	112, 119, 108
Decimal	7828588
CIELab	49.00, -0.39, 4.82
CIElCh	49, 4.836, 94.592
Yxy	17.5941, 0.3263, 0.3447
Android (android.graphics.Color)	4286018668 (0xFF77746C)
YUV	115.9850, -3.9366, 2.6442
Hunter-Lab	41.9453, -2.5350, 5.6293

Details

The CIELCh color $49, 4.836, 94.592$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 4.864, 276.816$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.049, 96.390$, and $29, 4.692, 92.142$ is the 20% darker color. If you saturate the color by 10%, you get $48, 10.156, 93.446$, and if you desaturate by 10%, it is $50, 0.410, 276.108$.

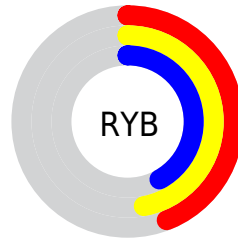
Distribution



Red (47%)

Green (45%)

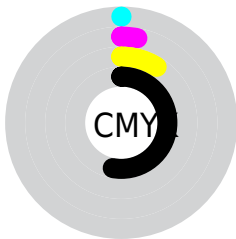
Blue (42%)



Red (44%)

Yellow (47%)

Blue (42%)

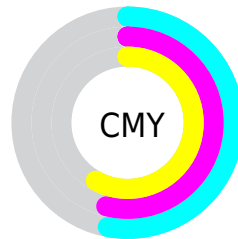


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.836, 94.592 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, 4.836, 94.592 by changing the saturation by 10% instead.

■ 49, 4.836, 94.592 ■ 49, 4.836, 94.592

■ 100, 4.836, 94.592 ■ 39, 4.836, 94.592

■ 69, 4.836, 94.592 ■ 29, 4.836, 94.592

■ 79, 4.836, 94.592 ■ 19, 4.836, 94.592

■ 89, 4.836, 94.592 ■ 9, 4.836, 94.592

■ 99, 4.836, 94.592 ■ 0, 4.836, 94.592

■ 49, 4.836, 94.592 ■ 49, 4.836, 94.592

■ 48, 10.156, 93.446 ■ 50, 0.410, 276.108

■ 47, 15.535, 92.238 ■ 52, 5.581, 276.892

■ 45, 20.946, 90.995 ■ 53, 10.677,

■ 44, 26.338, 89.720	■ 277.928
■ 43, 31.617, 88.412	■ 54, 15.698, 278.926
■ 42, 36.619, 87.057	■ 56, 20.650, 279.878
■ 41, 41.074, 85.623	■ 57, 25.536, 280.784
■ 40, 44.591, 84.047	■ 58, 30.360, 281.643
■ 39, 47.393, 82.397	■ 60, 35.125, 282.456
	■ 61, 39.836, 283.226

Harmonies

Complementary

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



49, 4.836, 94.592



47, 4.864, 276.816

Rectangle

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



49, 4.836, 94.592



49, 4.836, 144.592



49, 4.836, 274.592



49, 4.836, 324.592

Sweetspot

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



49, 4.837, 94.607



64, 1.941, 95.254



47, 4.901, 357.894



33, 1.485, 95.189



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 4.837, 94.607



62, 7.179, 94.374



50, 6.498, 118.060



24, 2.910, 94.631



40, 48.510, 82.216



78, 81.940, 80.869

Inverse Universe

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



47, 4.864, 276.816



59, 7.222, 277.077



46, 6.624, 299.238



23, 2.926, 276.790



18, 59.990, 298.463



40, 107.370, 300.236

Previews

White Background



This preview shows how the CIELCh color 49, 4.836, 94.592 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 49, 4.836, 94.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

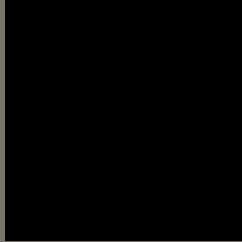
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 4.836, 94.592

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.836, 94.592.



This preview shows how white text looks on a background with the CIELCh color 49, 4.836, 94.592.

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, 4.836, 94.592

Protanopia

49, 4.958, 89.909

Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color
49, 4.836, 94.592

Protanomaly
49, 4.958, 89.909

Deuteranomaly
49, 5.813, 49.972

Tritanomaly
49, 2.697, 338.833

Monochromacy



Original Color
49, 4.836, 94.592

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.796, 96.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.836, 94.592 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, 116, 108)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 108)  
}
```

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, 116, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.836, 94.592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

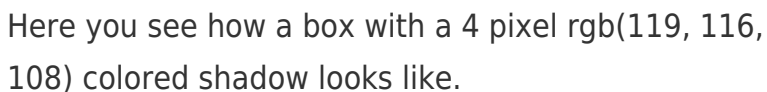
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 116, 108) }
```

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

```
.border{ border-color:rgb(119, 116, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 116, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 108);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.836, 94.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 108) }
```

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

```
.background{ background-color: rgb(119,  
116, 108) }
```

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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