

Converting Colors

CIELCh(49, 2.494, 17.673)

Have a look what the booklet for
CIELCh(49, 2.494, 17.673) contains.

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Color

CIELCh(49, 2.449, 19.537)

Conversions

Conversions Part 1

Format	Color
Hex	797373
RGB	121, 115, 115
RGB Percent	47%, 45%, 45%
CMY	0.5251, 0.5486, 0.5487
CMYK	0.00, 0.05, 0.05, 0.53
HSL	0°, 3%, 46%
HSV	0°, 5%, 47%
XYZ	17.1393, 17.5941, 18.7400
YIQ	116.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

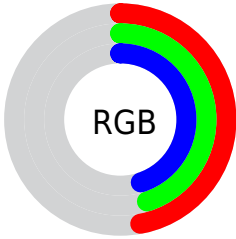
Format	Color
R_{YB}	121, 115, 115
Decimal	7959411
CIE _{Lab}	49.00, 2.31, 0.82
CIE _{LCh}	49, 2.449, 19.537
Yxy	17.5941, 0.3205, 0.3290
Android (android.graphics.Color)	4286149491 (0xFF797373)
YUV	116.7940, -0.8844, 3.6887
Hunter-Lab	41.9453, -0.4671, 2.8725

Details

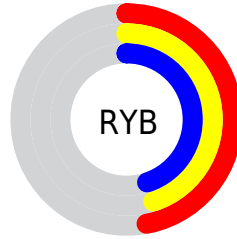
The CIELCh color $49, 2.449, 19.537$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $50, 2.376, 199.336$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 2.282, 19.394$, and $29, 2.701, 19.763$ is the 20% darker color. If you saturate the color by 10%, you get $45, 7.670, 20.352$, and if you desaturate by 10%, it is $53, 2.398, 199.347$.

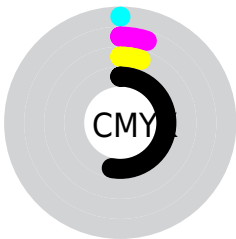
Distribution



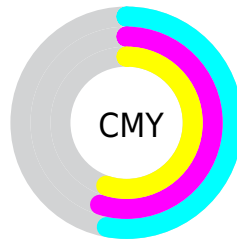
- Red (47%)
- Green (45%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.449, 19.537 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, 2.449, 19.537 by changing the saturation by 10% instead.

■ 49, 2.449, 19.537 ■ 49, 2.449, 19.537

■ 100, 2.449, 19.537 ■ 39, 2.449, 19.537

■ 69, 2.449, 19.537 ■ 29, 2.449, 19.537

■ 79, 2.449, 19.537 ■ 19, 2.449, 19.537

■ 89, 2.449, 19.537 ■ 9, 2.449, 19.537

■ 99, 2.449, 19.537 ■ 0, 2.449, 19.537

■ 49, 2.449, 19.537 ■ 49, 2.449, 19.537

■ 45, 7.670, 20.352 ■ 53, 2.398, 199.347

■ 42, 13.285, 21.241 ■ 57, 6.895, 198.816

■ 38, 19.285, 22.370 ■ 60, 11.077,

35, 25.626, 23.824	198.453
32, 32.215, 25.699	64, 14.978, 198.165
29, 38.901, 28.088	68, 18.632, 197.932
27, 45.476, 31.032	72, 22.069, 197.740
25, 51.638, 34.400	76, 25.314, 197.580
24, 56.388, 36.970	80, 28.392, 197.447
	83, 31.323, 197.333

Harmonies

Complementary

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



49, 2.449, 19.537



50, 2.376, 199.336

Rectangle

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



49, 2.449, 19.537



49, 2.449, 69.537



49, 2.449, 199.537



49, 2.449, 249.537

Sweetspot

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



49, 2.448, 19.567



65, 0.606, 18.733



49, 4.291, 324.659



33, 0.343, 18.666



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, 2.448, 19.567



62, 3.703, 19.670



50, 2.124, 74.728



24, 1.975, 19.687



25, 60.070, 38.181



53, 103.777, 40.003

Inverse Universe

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



50, 2.376, 199.336



64, 3.569, 199.243



50, 2.109, 256.129



25, 1.901, 199.228



47, 29.530, 196.441



90, 49.708, 196.444

Previews

White Background



This preview shows how the CIELCh color 49, 2.449, 19.537 looks on a white background.

Color Contrast Check

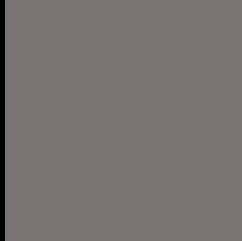
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.449, 19.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

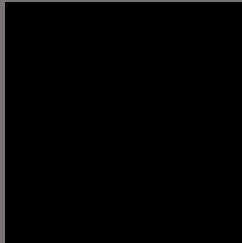
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 2.449, 19.537

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.449, 19.537.



This preview shows how white text looks on a background with the CIELCh color 49, 2.449, 19.537.

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, 2.449, 19.537

Protanopia

49, 1.217, 19.240

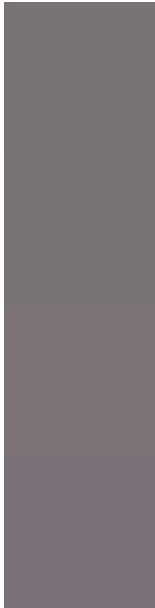
Deuteranopia

49, 6.410, 4.263



Tritanopia
49, 6.209, 321.709

Trichromacy



Original Color

49, 2.449, 19.537

Protanomaly

49, 1.625, 19.363

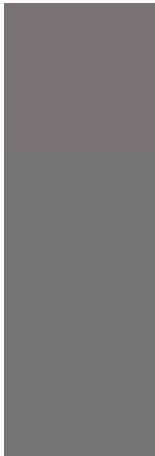
Deuteranomaly

49, 4.657, 5.344

Tritanomaly

49, 4.800, 332.697

Monochromacy



Original Color

49, 2.449, 19.537

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 0.810, 19.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.449, 19.537 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(121, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(121, 115, 115)  
}
```

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(121, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 115, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.449, 19.537 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(121, 115, 115) }
```

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

```
.border{ border-color:rgb(121, 115, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 115, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(121, 115,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.449, 19.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 115, 115) }
```

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

```
.background{ background-color: rgb(121,  
115, 115) }
```

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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