

Converting Colors

CIELCh(49, 1.576, 44.974)

Have a look what the booklet for
CIELCh(49, 1.576, 44.974) contains.

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Color

CIELCh(49, 1.346, 45.009)

Conversions

Conversions Part 1

Format	Color
Hex	777473
RGB	119, 116, 115
RGB Percent	47%, 45%, 45%
CMY	0.5340, 0.5458, 0.5497
CMYK	0.00, 0.03, 0.03, 0.53
HSL	15°, 2%, 46%
HSV	15°, 3%, 47%
XYZ	16.8936, 17.5941, 18.6729
YIQ	116.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

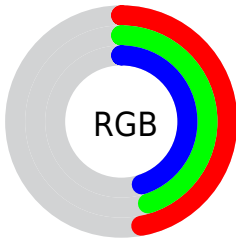
Format	Color
R_{YB}	119, 116, 115
Decimal	7828595
CIE Lab	49.00, 0.95, 0.95
CIE LCh	49, 1.346, 45.009
Yxy	17.5941, 0.3178, 0.3310
Android (android.graphics.Color)	4286018675 (0xFF777473)
YUV	116.7830, -0.8790, 1.9443
Hunter-Lab	41.9453, -1.5127, 2.9674

Details

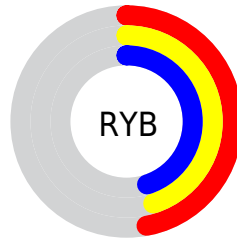
The CIELCh color $[49, 1.346, 45.009]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[49, 1.325, 225.904]$, and the grayscale version is $[49, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 1.255, 44.943]$, and $[29, 1.483, 45.029]$ is the 20% darker color. If you saturate the color by 10%, you get $[46, 5.554, 44.890]$, and if you desaturate by 10%, it is $[52, 2.566, 225.925]$.

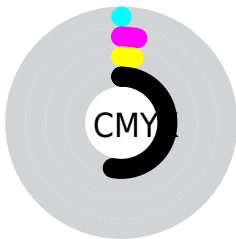
Distribution



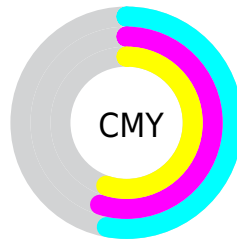
- Red (47%)
- Green (45%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 1.346, 45.009 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, 1.346, 45.009 by changing the saturation by 10% instead.

■ 49, 1.346, 45.009 ■ 49, 1.346, 45.009

■ 100, 1.346, 45.009 ■ 39, 1.346, 45.009

■ 69, 1.346, 45.009 ■ 29, 1.346, 45.009

■ 79, 1.346, 45.009 ■ 19, 1.346, 45.009

■ 89, 1.346, 45.009 ■ 9, 1.346, 45.009

■ 99, 1.346, 45.009 ■ 0, 1.346, 45.009

■ 49, 1.346, 45.009 ■ 49, 1.346, 45.009

■ 46, 5.554, 44.890 ■ 52, 2.566, 225.925

■ 43, 10.090, 44.608 ■ 55, 6.212, 226.325

■ 41, 14.981, 44.407 ■ 58, 9.623, 226.813

38, 20.244, 44.326

61, 12.825,
227.327

35, 25.880, 44.389

64, 15.845,
227.852

33, 31.856, 44.610

31, 38.077, 44.967

66, 18.704,
228.380

29, 44.319, 45.359

69, 21.422,
228.905

27, 50.017, 45.419

72, 24.015,
229.423

75, 26.499,
229.931

Harmonies

Complementary

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



49, 1.346, 45.009



49, 1.325, 225.904

Rectangle

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



49, 1.346, 45.009



49, 1.346, 95.009



49, 1.346, 225.009



49, 1.346, 275.009

Sweetspot

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



49, 1.346, 45.074



64, 0.493, 44.552



49, 2.406, 332.454



33, 0.282, 44.484



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, 1.346, 45.074



63, 2.000, 45.092



50, 1.790, 96.788



24, 1.119, 45.095



27, 54.731, 45.474



56, 96.150, 44.736

Inverse Universe

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



49, 1.325, 225.904



63, 1.960, 225.892



49, 1.805, 277.680



24, 1.094, 225.892



36, 26.346, 244.546



71, 45.325, 247.324

Previews

White Background



This preview shows how the CIELCh color 49, 1.346, 45.009 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, 1.346, 45.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

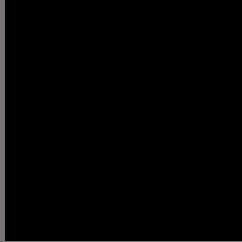
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

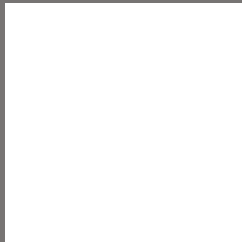
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 1.346, 45.009

Background



This preview shows how black text looks on a background with the CIELCh color 49, 1.346, 45.009.



This preview shows how white text looks on a background with the CIELCh color 49, 1.346, 45.009.

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, 1.346, 45.009

Protanopia

49, 1.346, 45.009

Deuteranopia

49, 6.292, 9.409



Tritanopia
49, 6.375, 312.788

Trichromacy



Original Color
49, 1.346, 45.009

Protanomaly
49, 1.346, 45.009

Deuteranomaly
49, 4.555, 12.494

Tritanomaly
49, 4.077, 319.976

Monochromacy



Original Color
49, 1.346, 45.009

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 0.703, 74.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 1.346, 45.009 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 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(119, 116, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 1.346, 45.009 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, 115) }
```

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

```
.border{ border-color:rgb(119, 116, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 115);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 1.346, 45.009 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, 115) }
```

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

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