

Converting Colors

CIELCh(49, 5.184, 44.206)

Have a look what the booklet for
CIELCh(49, 5.184, 44.206) contains.

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Color

CIELCh(49, 5.144, 46.808)

Conversions

Conversions Part 1

Format	Color
Hex	7D726E
RGB	125, 114, 110
RGB Percent	49%, 45%, 43%
CMY	0.5089, 0.5520, 0.5677
CMYK	0.00, 0.09, 0.12, 0.51
HSL	16°, 6%, 46%
HSV	16°, 12%, 49%
XYZ	17.3610, 17.5941, 17.2974
YIQ	116.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

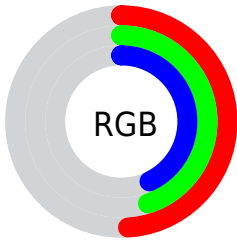
Format	Color
R_{YB}	125, 115, 110
Decimal	8221294
CIE Lab	49.00, 3.52, 3.75
CIE LCh	49, 5.144, 46.808
Yxy	17.5941, 0.3323, 0.3367
Android (android.graphics.Color)	4286411374 (0xFF7D726E)
YUV	116.8330, -3.3687, 7.1625
Hunter-Lab	41.9453, 0.4764, 4.9117

Details

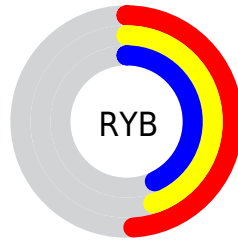
The CIELCh color $49, 5.144, 46.808$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 4.812, 228.255$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.120, 44.946$, and $29, 5.009, 42.572$ is the 20% darker color. If you saturate the color by 10%, you get $46, 9.802, 46.457$, and if you desaturate by 10%, it is $52, 0.818, 46.918$.

Distribution



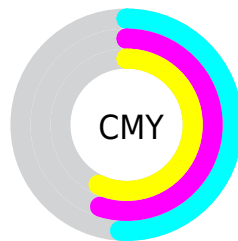
- Red (49%)
- Green (45%)
- Blue (43%)



- Red (49%)
- Yellow (45%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (51%)



- Cyan (51%)
- Magenta (55%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.144, 46.808 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, 5.144, 46.808 by changing the saturation by 10% instead.

■ 49, 5.144, 46.808 ■ 49, 5.144, 46.808

■ 100, 5.144, 46.808 ■ 39, 5.144, 46.808

■ 69, 5.144, 46.808 ■ 29, 5.144, 46.808

■ 79, 5.144, 46.808 ■ 19, 5.144, 46.808

■ 89, 5.144, 46.808 ■ 9, 5.144, 46.808

■ 99, 5.144, 46.808 ■ 0, 5.144, 46.808

■ 49, 5.144, 46.808 ■ 49, 5.144, 46.808

■ 46, 9.802, 46.457 ■ 52, 0.818, 46.918

■ 43, 14.822, 46.154 ■ 55, 3.207, 228.004

■ 41, 20.225, 45.958 ■ 58, 6.964, 228.494

38, 26.015, 45.892

61, 10.484,
229.049

36, 32.164, 45.969

64, 13.796,
229.623

33, 38.583, 46.170

31, 45.056, 46.399

67, 16.923,
230.204

29, 51.107, 46.397

70, 19.889,
230.783

28, 55.427, 46.322

73, 22.713,
231.355

76, 25.413,
231.917

Harmonies

Complementary

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



49, 5.144, 46.808



50, 4.812, 228.255

Rectangle

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



49, 5.144, 46.808



49, 5.144, 96.808



49, 5.144, 226.808



49, 5.144, 276.808

Sweetspot

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



49, 5.144, 46.827



66, 2.069, 47.049



48, 8.887, 333.709



34, 1.467, 47.047



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

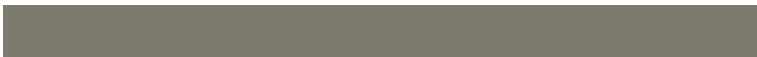
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 5.144, 46.827



62, 7.530, 46.737



51, 6.822, 96.970



25, 2.429, 46.932



29, 56.281, 46.354



0, 0.000, 0.000

Inverse Universe

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



50, 4.812, 228.255



64, 6.944, 228.411



48, 6.891, 279.774



26, 2.312, 228.086



37, 27.642, 248.018



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 5.144, 46.808 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, 5.144, 46.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

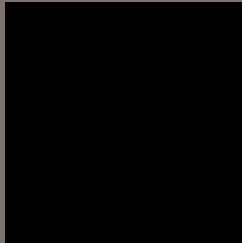
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.144, 46.808

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.144, 46.808.

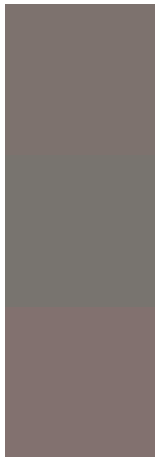


This preview shows how white text looks on a background with the CIELCh color 49, 5.144, 46.808.

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, 5.144, 46.808

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 7.205, 29.463



Tritanopia
49, 7.371, 340.785

Trichromacy



Original Color
49, 5.144, 46.808

Protanomaly
49, 3.714, 58.588

Deuteranomaly
49, 6.365, 30.613

Tritanomaly
49, 5.815, 356.314

Monochromacy



Original Color
49, 5.144, 46.808

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.725, 39.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 5.144, 46.808 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(125, 114, 110)` looks like.

```
.text, #text, p{  
    color:rgb(125, 114, 110)  
}
```

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(125, 114, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 114, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.144, 46.808 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(125, 114, 110) }
```

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

```
.border{ border-color:rgb(125, 114, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 114, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 114, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 114, 110);  
box-shadow:4px 4px 4px 4px rgb(125, 114,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.144, 46.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 114, 110) }
```

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

```
.background{ background-color: rgb(125,  
114, 110) }
```

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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