

Converting Colors

CIELCh(49, 5.606, 45.914)

Have a look what the booklet for
CIELCh(49, 5.606, 45.914) contains.

CIELCh(49, 5.526, 44.845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 5.526, 44.845)

Conversions

Conversions Part 1

Format	Color
Hex	7E726E
RGB	126, 114, 110
RGB Percent	49%, 45%, 43%
CMY	0.5059, 0.5530, 0.5686
CMYK	0.00, 0.10, 0.13, 0.51
HSL	15°, 7%, 46%
HSV	15°, 13%, 49%
XYZ	17.4340, 17.5941, 17.2272
YIQ	117.1320, 8.4360, 1.3000

Conversions

Conversions Part 2

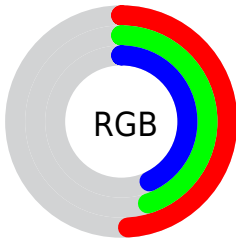
Format	Color
R_{YB}	126, 115, 110
Decimal	8286830
CIE Lab	49.00, 3.92, 3.90
CIE LCh	49, 5.526, 44.845
Yxy	17.5941, 0.3336, 0.3367
Android (android.graphics.Color)	4286476910 (0xFF7E726E)
YUV	117.1320, -3.5161, 7.7772
Hunter-Lab	41.9453, 0.7871, 5.0108

Details

The CIELCh color $49, 5.526, 44.845$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 5.137, 226.174$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.478, 43.222$, and $29, 5.449, 40.728$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.266, 44.578$, and if you desaturate by 10%, it is $52, 1.129, 44.990$.

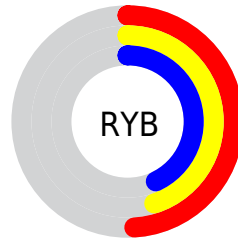
Distribution



Red (49%)

Green (45%)

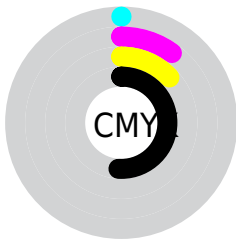
Blue (43%)



Red (49%)

Yellow (45%)

Blue (43%)

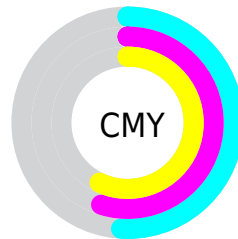


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (51%)



Cyan (51%)


Magenta (55%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.526, 44.845 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, 5.526, 44.845 by changing the saturation by 10% instead.

 49, 5.526, 44.845  49, 5.526, 44.845

 100, 5.526, 44.845  39, 5.526, 44.845

 69, 5.526, 44.845  29, 5.526, 44.845

 79, 5.526, 44.845  19, 5.526, 44.845

 89, 5.526, 44.845  9, 5.526, 44.845

 99, 5.526, 44.845  0, 5.526, 44.845

 49, 5.526, 44.845  49, 5.526, 44.845

 46, 10.266, 44.578  52, 1.129, 44.990

 43, 15.379, 44.373  55, 2.955, 225.896

 40, 20.885, 44.288  58, 6.762, 226.311

38, 26.786, 44.349

61, 10.322,
226.803

35, 33.047, 44.569

64, 13.665,
227.321

33, 39.571, 44.929

31, 46.125, 45.328

67, 16.818,
227.849

29, 52.192, 45.476

70, 19.802,
228.378

28, 56.119, 45.528

73, 22.639,
228.905

76, 25.346,
229.424

Harmonies

Complementary

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



49, 5.526, 44.845



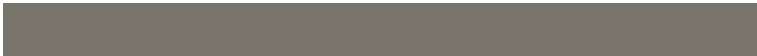
50, 5.137, 226.174

Rectangle

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



49, 5.526, 44.845



49, 5.526, 94.845



49, 5.526, 224.845



49, 5.526, 274.845

Sweetspot

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



49, 5.526, 44.862



66, 2.081, 45.046



48, 9.583, 333.112



34, 1.475, 45.049



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

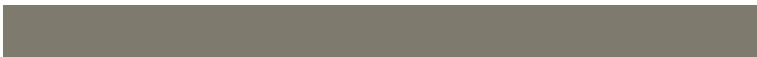
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 5.526, 44.862



62, 8.148, 44.783



51, 7.146, 95.774



25, 2.443, 44.967



28, 56.691, 45.554



0, 0.000, 0.000

Inverse Universe

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



50, 5.137, 226.174



64, 7.450, 226.335



48, 7.209, 278.792



26, 2.321, 225.988



38, 27.148, 244.676



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 5.526, 44.845 looks on a white background.

Color Contrast Check

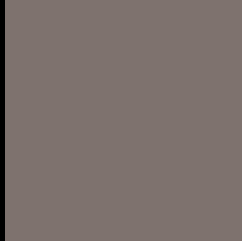
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.526, 44.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

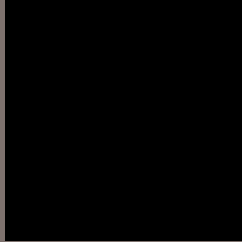
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.526, 44.845

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.526, 44.845.

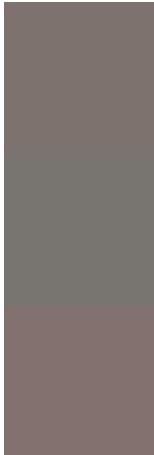


This preview shows how white text looks on a background with the CIELCh color 49, 5.526, 44.845.

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, 5.526, 44.845

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 7.347, 33.905



Tritanopia
49, 8.062, 339.462

Trichromacy



Original Color
49, 5.526, 44.845

Protanomaly
49, 3.714, 58.588

Deuteranomaly
49, 6.931, 34.705

Tritanomaly
49, 6.195, 357.919

Monochromacy



Original Color
49, 5.526, 44.845

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 2.000, 55.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 5.526, 44.845 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(126, 114, 110)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 114, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 114, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.526, 44.845 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(126, 114, 110) }
```

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

```
.border{ border-color:rgb(126, 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(126, 114, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 114, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 114, 110);  
box-shadow:4px 4px 4px 4px rgb(126, 114,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.526, 44.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 114, 110) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor