

Converting Colors

CIELCh(49, 4.486, 80.131)

Have a look what the booklet for
CIELCh(49, 4.486, 80.131) contains.

CIELCh(49, 4.581, 82.630)	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, 4.581, 82.630)

Conversions

Conversions Part 1

Format	Color
Hex	79746D
RGB	121, 116, 109
RGB Percent	47%, 45%, 43%
CMY	0.5263, 0.5459, 0.5733
CMYK	0.00, 0.04, 0.10, 0.53
HSL	35°, 5%, 45%
HSV	35°, 10%, 47%
XYZ	16.8281, 17.5941, 16.9203
YIQ	116.6970, 5.2270, -1.1170

Conversions

Conversions Part 2

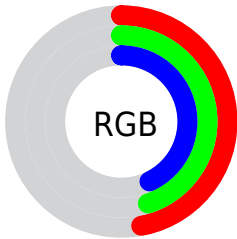
Format	Color
R_{YB}	118, 121, 109
Decimal	7959661
CIE _{Lab}	49.00, 0.59, 4.54
CIE _{LCh}	49, 4.581, 82.630
Yxy	17.5941, 0.3278, 0.3427
Android (android.graphics.Color)	4286149741 (0xFF79746D)
YUV	116.6970, -3.7946, 3.7737
Hunter-Lab	41.9453, -1.7916, 5.4447

Details

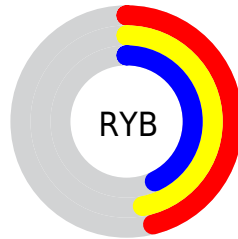
The CIELCh color $49, 4.581, 82.630$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 4.535, 265.206$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 4.769, 85.821$, and $29, 4.259, 83.813$ is the 20% darker color. If you saturate the color by 10%, you get $47, 9.346, 81.428$, and if you desaturate by 10%, it is $51, 0.037, 269.547$.

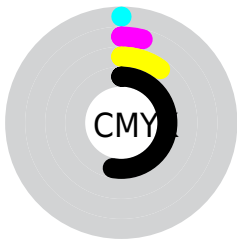
Distribution



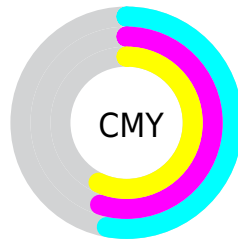
- Red (47%)
- Green (45%)
- Blue (43%)



- Red (46%)
- Yellow (47%)
- Blue (43%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 4.581, 82.630 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, 4.581, 82.630 by changing the saturation by 10% instead.

■ 49, 4.581, 82.630 ■ 49, 4.581, 82.630

■ 100, 4.581, 82.630 ■ 39, 4.581, 82.630

■ 69, 4.581, 82.630 ■ 29, 4.581, 82.630

■ 79, 4.581, 82.630 ■ 19, 4.581, 82.630

■ 89, 4.581, 82.630 ■ 9, 4.581, 82.630

■ 99, 4.581, 82.630 ■ 0, 4.581, 82.630

■ 49, 4.581, 82.630 ■ 49, 4.581, 82.630

■ 47, 9.346, 81.428 ■ 51, 0.037, 269.547

■ 46, 14.259, 80.159 ■ 53, 4.519, 265.115

■ 44, 19.316, 78.856 ■ 54, 8.876, 266.215

42, 24.491, 77.519

56, 13.119,
267.285

41, 29.723, 76.138

58, 17.259,
268.311

39, 34.883, 74.680

38, 39.733, 73.075

60, 21.307,
269.291

36, 43.865, 71.182

62, 25.271,
270.225

35, 47.628, 69.270

64, 29.160,
271.112

65, 32.981,
271.955

Harmonies

Complementary

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



49, 4.581, 82.630



48, 4.535, 265.206

Rectangle

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



49, 4.581, 82.630



49, 4.581, 132.630



49, 4.581, 262.630



49, 4.581, 312.630

Sweetspot

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



49, 4.582, 82.649



64, 1.702, 83.377



47, 5.746, 349.200



33, 1.286, 83.319



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, 4.582, 82.649



63, 6.927, 82.366



50, 6.988, 112.663



25, 2.623, 82.749



36, 48.840, 69.131



71, 82.560, 67.151

Inverse Universe

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



48, 4.535, 265.206



61, 6.833, 265.529



46, 7.144, 294.298



24, 2.600, 265.094



23, 48.271, 289.770



48, 85.922, 292.049

Previews

White Background



This preview shows how the CIELCh color 49, 4.581, 82.630 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, 4.581, 82.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

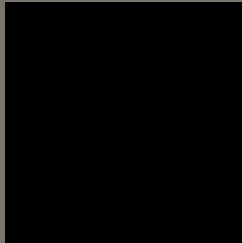
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

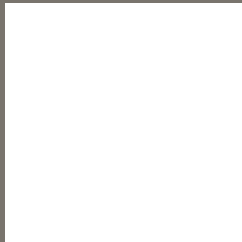
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 4.581, 82.630

Background



This preview shows how black text looks on a background with the CIELCh color 49, 4.581, 82.630.



This preview shows how white text looks on a background with the CIELCh color 49, 4.581, 82.630.

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, 4.581, 82.630

Protanopia

49, 4.408, 87.490

Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 6.425, 324.797

Trichromacy



Original Color
49, 4.581, 82.630

Protanomaly
49, 4.408, 87.490

Deuteranomaly
49, 6.320, 41.649

Tritanomaly
49, 3.352, 348.078

Monochromacy



Original Color
49, 4.581, 82.630

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 1.926, 84.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 4.581, 82.630 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, 116, 109)` looks like.

```
.text, #text, p{  
    color:rgb(121, 116, 109)  
}
```

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, 116, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 116, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 4.581, 82.630 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, 116, 109) }
```

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

```
.border{ border-color:rgb(121, 116, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 116, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 116, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 116, 109);  
box-shadow:4px 4px 4px 4px rgb(121, 116,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 4.581, 82.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 116, 109) }
```

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

```
.background{ background-color: rgb(121,  
116, 109) }
```

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