

Converting Colors

CIELCh(49, 14.680, 100.830)

Have a look what the booklet for
CIELCh(49, 14.680, 100.830)
contains.

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Color

CIELCh(49, 14.664, 101.383)

Conversions

Conversions Part 1

Format	Color
Hex	79755C
RGB	121, 117, 92
RGB Percent	47%, 46%, 36%
CMY	0.5251, 0.5408, 0.6388
CMYK	0.00, 0.03, 0.24, 0.53
HSL	52°, 14%, 42%
HSV	52°, 24%, 47%
XYZ	16.2097, 17.5941, 12.6901
YIQ	115.3460, 10.4090, -6.9270

Conversions

Conversions Part 2

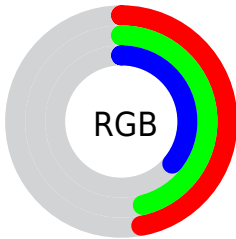
Format	Color
R_{YB}	97, 121, 92
Decimal	7959900
CIE _{Lab}	49.00, -2.89, 14.38
CIE _{LCh}	49, 14.664, 101.383
Yxy	17.5941, 0.3486, 0.3784
Android (android.graphics.Color)	4286149980 (0xFF79755C)
YUV	115.3460, -11.5096, 4.9586
Hunter-Lab	41.9453, -4.4230, 11.4241

Details

The CIELCh color **49, 14.664, 101.383** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 15.203, 286.809**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 14.864, 100.898**, and **29, 14.682, 101.567** is the 20% darker color. If you saturate the color by 10%, you get **48, 20.762, 100.312**, and if you desaturate by 10%, it is **50, 8.535, 102.446**.

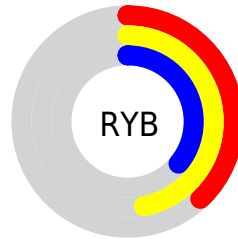
Distribution



Red (47%)

Green (46%)

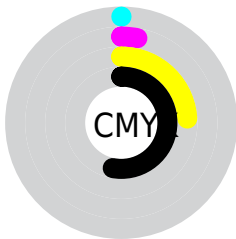
Blue (36%)



Red (38%)

Yellow (47%)

Blue (36%)

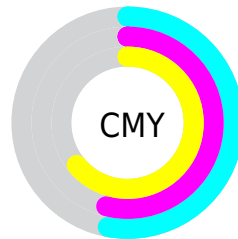


Cyan (0%)

Magenta (3%)

Yellow (24%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.664, 101.383 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, 14.664, 101.383 by changing the saturation by 10% instead.

 49, 14.664,
101.383


 49, 14.664,
101.383


 100, 14.664,
101.383

 39, 14.664,
101.383

 69, 14.664,
101.383


 29, 14.664,
101.383

 79, 14.664,
101.383

 19, 14.664,
101.383

 89, 14.664,
101.383

 9, 14.664, 101.383

 99, 14.664,
101.383

 0, 14.664, 101.383

 49, 14.664,

 49, 14.664,

101.383

101.383

■ 48, 20.762,
100.312

■ 50, 8.535, 102.446

■ 48, 26.766, 99.229

■ 51, 2.407, 103.457

■ 47, 32.577, 98.149

■ 51, 3.696, 284.523

■ 46, 38.038, 97.084

■ 52, 9.762, 285.480

■ 46, 42.905, 96.043

■ 53, 15.784,
286.409

■ 45, 46.845, 95.030

■ 54, 21.758,
287.298

■ 45, 49.535, 94.035

■ 55, 27.682,
288.145

■ 44, 51.017, 93.452

■ 56, 33.554,
288.949

■ 57, 39.375,
289.711

Harmonies

Complementary

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



49, 14.664, 101.383



41, 15.203, 286.809

Rectangle

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



49, 14.664, 101.383



49, 14.664, 151.383



49, 14.664, 281.383



49, 14.664, 331.383

Sweetspot

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



49, 14.665, 101.388



64, 5.318, 103.142



42, 12.752, 9.433



33, 3.437, 103.101



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, 14.665, 101.388



62, 22.077, 100.769



49, 17.387, 122.439



25, 3.472, 102.949



46, 52.161, 93.419



87, 87.440, 92.847

Inverse Universe

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



41, 15.203, 286.809



51, 23.120, 287.681



41, 18.126, 305.023



24, 3.523, 284.891



15, 71.403, 303.461



34, 124.768, 304.543

Previews

White Background



This preview shows how the CIELCh color 49, 14.664, 101.383 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, 14.664, 101.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

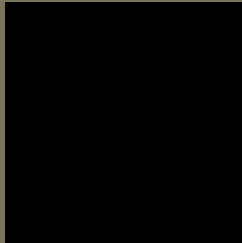
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

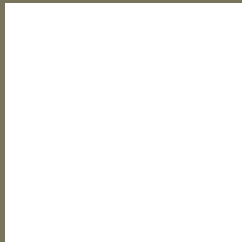
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.664, 101.383

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.664, 101.383.



This preview shows how white text looks on a background with the CIELCh color 49, 14.664, 101.383.

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, 14.664, 101.383

Protanopia

49, 14.439, 94.239

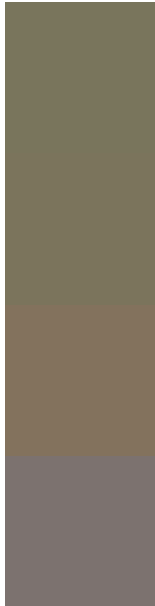
Deuteranopia

49, 15.512, 65.425



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 14.664, 101.383

Protanomaly
49, 14.336, 95.948

Deuteranomaly
49, 14.445, 77.282

Tritanomaly
49, 4.500, 42.687

Monochromacy



Original Color
49, 14.664, 101.383

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.281, 104.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.664, 101.383 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, 117, 92)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 92)  
}
```

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, 117, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.664, 101.383 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, 117, 92) }
```

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

```
.border{ border-color:rgb(121, 117, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 117, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 92);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.664, 101.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 92) }
```

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

```
.background{ background-color: rgb(121,  
117, 92) }
```

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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