

Converting Colors

CIELCh(49, 13.912, 101.285)

Have a look what the booklet for
CIELCh(49, 13.912, 101.285)
contains.

CIELCh(49, 14.090, 101.200)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 14.090, 101.200)

Conversions

Conversions Part 1

Format	Color
Hex	79755D
RGB	121, 117, 93
RGB Percent	47%, 46%, 36%
CMY	0.5253, 0.5410, 0.6351
CMYK	0.00, 0.03, 0.23, 0.53
HSL	51°, 13%, 42%
HSV	51°, 23%, 47%
XYZ	16.2374, 17.5941, 12.9072
YIQ	115.4600, 10.0880, -6.6160

Conversions

Conversions Part 2

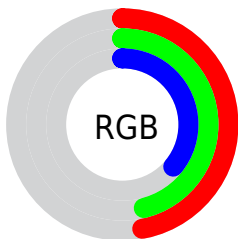
Format	Color
RYB	98, 121, 93
Decimal	7959901
CIELab	49.00, -2.74, 13.82
CIELCh	49, 14.090, 101.200
Yxy	17.5941, 0.3474, 0.3764
Android (android.graphics.Color)	4286149981 (0xFF79755D)
YUV	115.4600, -11.0728, 4.8586
Hunter-Lab	41.9453, -4.3055, 11.1173

Details

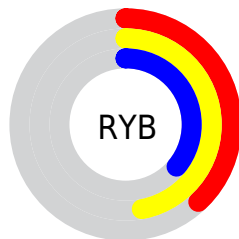
The CIELCh color $49, 14.090, 101.200$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 14.578, 286.443$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 14.325, 100.676$, and $29, 14.061, 101.456$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.165, 100.125$, and if you desaturate by 10%, it is $50, 7.991, 102.266$.

Distribution



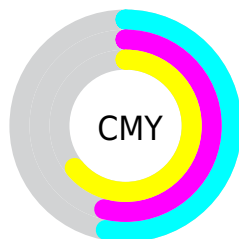
- Red (47%)
- Green (46%)
- Blue (36%)



- Red (38%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (53%)



- Cyan (53%)
- Magenta (54%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.090, 101.200 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, 14.090, 101.200 by changing the saturation by 10% instead.

 49, 14.090,
101.200


 49, 14.090,
101.200

 100, 14.090,
101.200


 39, 14.090,
101.200

 69, 14.090,
101.200


 29, 14.090,
101.200

 79, 14.090,
101.200

 19, 14.090,
101.200


 89, 14.090,
101.200

 9, 14.090, 101.200

 99, 14.090,
101.200

 0, 14.090, 101.200

 49, 14.090,

 49, 14.090,

101.200

101.200

■ 48, 20.165,
100.125

■ 50, 7.991, 102.266

■ 48, 26.155, 99.035

■ 51, 1.897, 103.270

■ 47, 31.968, 97.946

■ 51, 4.168, 284.345

■ 46, 37.451, 96.869

■ 52, 10.195,
285.304

■ 46, 42.371, 95.812

■ 53, 16.177,
286.233

■ 45, 46.400, 94.778

■ 54, 22.109,
287.122

■ 44, 49.182, 93.757

■ 44, 50.859, 93.076

■ 55, 27.991,
287.968

■ 56, 33.821,
288.772

■ 57, 39.598,

Harmonies

Complementary

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



49, 14.090, 101.200



42, 14.578, 286.443

Rectangle

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



49, 14.090, 101.200



49, 14.090, 151.200



49, 14.090, 281.200



49, 14.090, 331.200

Sweetspot

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



49, 14.091, 101.206



64, 5.290, 102.879



42, 12.286, 9.335



33, 3.419, 102.838



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, 14.091, 101.206



62, 21.217, 100.606



49, 16.792, 122.483



25, 3.455, 102.686



45, 52.017, 93.040



87, 87.190, 92.445

Inverse Universe

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



42, 14.578, 286.443



51, 22.157, 287.275



41, 17.479, 304.970



24, 3.504, 284.636



15, 71.084, 303.328



35, 124.305, 304.437

Previews

White Background



This preview shows how the CIELCh color 49, 14.090, 101.200 looks on a white background.

Color Contrast Check

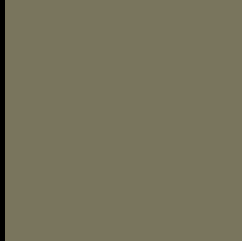
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.090, 101.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

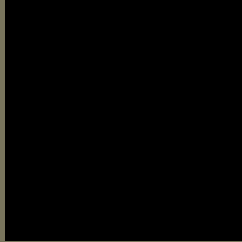
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

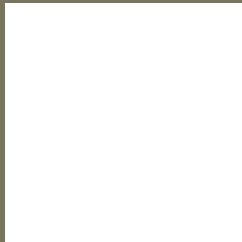
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.090, 101.200

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.090, 101.200.



This preview shows how white text looks on a background with the CIELCh color 49, 14.090, 101.200.

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, 14.090, 101.200

Protanopia

49, 13.874, 93.773

Deuteranopia

49, 14.746, 65.251



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 14.090, 101.200

Protanomaly
49, 13.768, 95.544

Deuteranomaly
49, 13.697, 77.738

Tritanomaly
49, 4.500, 42.687

Monochromacy



Original Color
49, 14.090, 101.200

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.748, 99.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.090, 101.200 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.090, 101.200 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, 93) }
```

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

```
.border{ border-color:rgb(121, 117, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(121, 117,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.090, 101.200 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, 93) }
```

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

```
.background{ background-color: rgb(121,  
117, 93) }
```

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