

Converting Colors

CIELCh(48, 14.043, 52.771)

Have a look what the booklet for
CIELCh(48, 14.043, 52.771) contains.

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Color

CIELCh(48, 13.909, 50.726)

Conversions

Conversions Part 1

Format	Color
Hex	876C60
RGB	135, 108, 96
RGB Percent	53%, 42%, 38%
CMY	0.4696, 0.5755, 0.6226
CMYK	0.00, 0.20, 0.29, 0.47
HSL	18°, 17%, 45%
HSV	18°, 29%, 53%
XYZ	17.5404, 16.7945, 13.4386
YIQ	114.7050, 19.9440, 1.9920

Conversions

Conversions Part 2

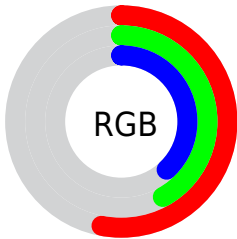
Format	Color
R_{YB}	135, 113, 96
Decimal	8875104
CIE _{Lab}	48.00, 8.80, 10.77
CIE _{LCh}	48, 13.909, 50.726
Yxy	16.7945, 0.3672, 0.3515
Android (android.graphics.Color)	4287065184 (0xFF876C60)
YUV	114.7050, -9.2216, 17.7987
Hunter-Lab	40.9810, 4.6834, 9.2442

Details


The CIELCh color **48, 13.909, 50.726** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **50, 11.808, 235.314**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.840, 48.547**, and **28, 13.605, 51.972** is the 20% darker color. If you saturate the color by 10%, you get **45, 19.443, 50.269**, and if you desaturate by 10%, it is **51, 8.758, 51.274**.

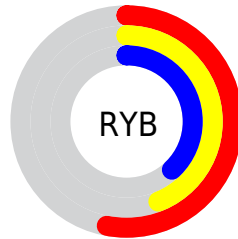
Distribution



 Red (53%)

 Green (42%)

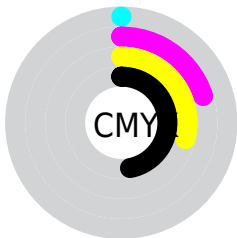
 Blue (38%)



 Red (53%)

 Yellow (44%)

 Blue (38%)

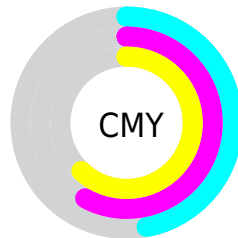


 Cyan (0%)

 Magenta (20%)

 Yellow (29%)

 Black (47%)



 Cyan (47%)

 Magenta (58%)

 Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 13.909, 50.726 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 48, 13.909, 50.726 by changing the saturation by 10% instead.

■ 48, 13.909, 50.726

■ 48, 13.909, 50.726

■ 100, 13.909,
50.726

■ 38, 13.909, 50.726

■ 68, 13.909, 50.726

■ 28, 13.909, 50.726

■ 78, 13.909, 50.726

■ 18, 13.909, 50.726

■ 88, 13.909, 50.726

■ 8, 13.909, 50.726

■ 98, 13.909, 50.726

■ 0, 13.909, 50.726

■ 48, 13.909, 50.726

■ 48, 13.909, 50.726

■ 45, 19.443, 50.269

■ 51, 8.758, 51.274

■ 43, 25.374, 49.900

■ 54, 3.965, 51.841

40, 31.684, 49.638

57, 0.502, 233.350

38, 38.300, 49.467

60, 4.676, 233.375

35, 45.036, 49.312

63, 8.590, 234.049

33, 51.475, 48.965

66, 12.275,
234.753

32, 57.331, 48.510

69, 15.759,
235.462

31, 58.008, 48.508

72, 19.067,
236.165

75, 22.219,
236.856

Harmonies

Complementary

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



48, 13.909, 50.726



50, 11.808, 235.314

Rectangle

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



48, 13.909, 50.726



48, 13.909, 100.726



48, 13.909, 230.726



48, 13.909, 280.726

Sweetspot

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



48, 13.908, 50.734



69, 5.005, 51.822



46, 22.395, 336.285



36, 3.522, 51.751



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 13.908, 50.734



59, 21.467, 50.402



53, 18.204, 97.155



28, 2.569, 51.824



31, 57.075, 48.515



1, 1.158, 52.513

Inverse Universe

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



50, 11.808, 235.314



62, 17.411, 236.289



44, 18.796, 284.276



28, 2.453, 233.303



37, 30.107, 256.012



1, 1.159, 232.532

Previews

White Background



This preview shows how the CIELCh color 48, 13.909, 50.726 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 48, 13.909, 50.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.909, 50.726

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.909, 50.726.

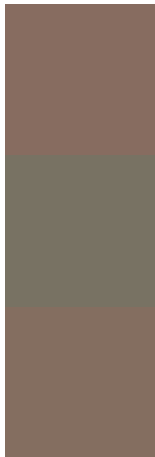


This preview shows how white text looks on a background with the CIELCh color 48, 13.909, 50.726.

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

48, 13.909, 50.726

Protanopia

48, 9.158, 92.691

Deuteranopia

48, 12.754, 59.982



Tritanopia
48, 13.692, 1.201

Trichromacy



Original Color
48, 13.909, 50.726

Protanomaly
48, 10.239, 72.774

Deuteranomaly
48, 13.100, 55.694

Tritanomaly
48, 12.302, 18.187

Monochromacy



Original Color
48, 13.909, 50.726

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.762, 57.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.909, 50.726 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(135, 108, 96)` looks like.

```
.text, #text, p{  
    color:rgb(135, 108, 96)  
}
```

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(135, 108, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 108, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.909, 50.726 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(135, 108, 96) }
```

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

```
.border{ border-color:rgb(135, 108, 96) }
```

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

Here you see how a box with a 4 pixel rgb(135, 108, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 108, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 108, 96);  
box-shadow:4px 4px 4px 4px rgb(135, 108,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.909, 50.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 108, 96) }
```

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

```
.background{ background-color: rgb(135,  
108, 96) }
```

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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