

Converting Colors

CIELCh(48, 14.883, 42.463)

Have a look what the booklet for
CIELCh(48, 14.883, 42.463) contains.

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Color

CIELCh(48, 14.664, 41.773)

Conversions

Conversions Part 1

Format	Color
Hex	8A6B62
RGB	138, 107, 98
RGB Percent	54%, 42%, 38%
CMY	0.4589, 0.5805, 0.6158
CMYK	0.00, 0.22, 0.29, 0.46
HSL	14°, 17%, 46%
HSV	14°, 29%, 54%
XYZ	17.9373, 16.7945, 13.8469
YIQ	115.2430, 21.3650, 3.7730

Conversions

Conversions Part 2

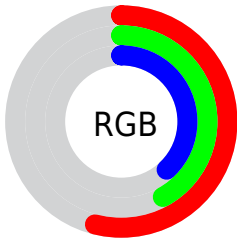
Format	Color
R_{YB}	138, 110, 98
Decimal	9071458
CIE Lab	48.00, 10.94, 9.77
CIE LCh	48, 14.664, 41.773
Yxy	16.7945, 0.3692, 0.3457
Android (android.graphics.Color)	4287261538 (0xFF8A6B62)
YUV	115.2430, -8.5008, 19.9579
Hunter-Lab	40.9810, 6.4124, 8.6535

Details

The CIELCh color **48, 14.664, 41.773** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 12.150, 224.057**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 14.603, 40.146**, and **28, 14.419, 42.141** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.529, 41.801**, and if you desaturate by 10%, it is **51, 9.228, 41.885**.

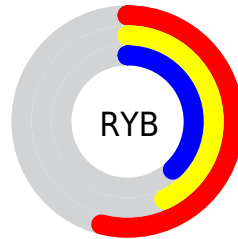
Distribution



Red (54%)

Green (42%)

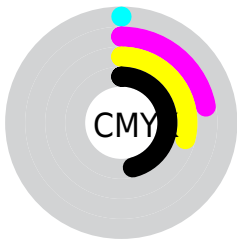
Blue (38%)



Red (54%)

Yellow (43%)

Blue (38%)

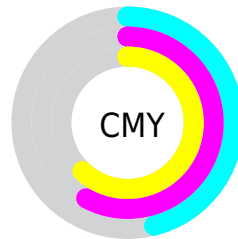


Cyan (0%)

Magenta (22%)

Yellow (29%)

Black (46%)



Cyan (46%)











Magenta (58%)






Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.664, 41.773 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, 14.664, 41.773 by changing the saturation by 10% instead.

 48, 14.664, 41.773	 48, 14.664, 41.773
 100, 14.664, 41.773	 38, 14.664, 41.773
 68, 14.664, 41.773	 28, 14.664, 41.773
 78, 14.664, 41.773	 18, 14.664, 41.773
 88, 14.664, 41.773	 8, 14.664, 41.773
 98, 14.664, 41.773	 0, 14.664, 41.773

 48, 14.664, 41.773	 48, 14.664, 41.773
 45, 20.529, 41.801	 51, 9.228, 41.885
 42, 26.833, 41.982	 54, 4.199, 42.058

39, 33.550, 42.348

58, 0.457, 223.351

36, 40.597, 42.900

61, 4.779, 222.908

34, 47.773, 43.573

65, 8.801, 223.273

32, 54.632, 44.145

68, 12.560,
223.690

31, 60.649, 44.528

71, 16.086,
224.132

30, 61.230, 44.599

75, 19.409,
224.585

78, 22.553,
225.042

Harmonies

Complementary

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



48, 14.664, 41.773



52, 12.150, 224.057

Rectangle

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



48, 14.664, 41.773



48, 14.664, 91.773



48, 14.664, 221.773



48, 14.664, 271.773

Sweetspot

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



48, 14.663, 41.781



69, 5.193, 42.054



47, 24.228, 332.944



35, 3.612, 42.033



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, 14.663, 41.781



59, 22.447, 41.778



53, 17.189, 91.421



27, 2.634, 42.055



29, 59.227, 44.530



1, 1.184, 42.417

Inverse Universe

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



52, 12.150, 224.057



65, 17.674, 224.672



46, 17.362, 279.060



28, 2.497, 222.877



40, 27.355, 239.685



1, 1.184, 222.436

Previews

White Background



This preview shows how the CIELCh color 48, 14.664, 41.773 looks on a white background.

Color Contrast Check

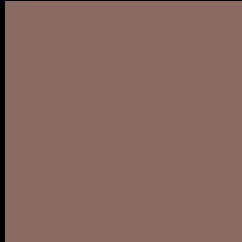
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 14.664, 41.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

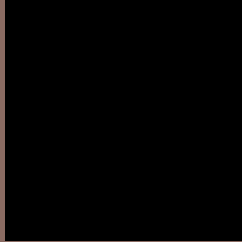
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.664, 41.773

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.664, 41.773.

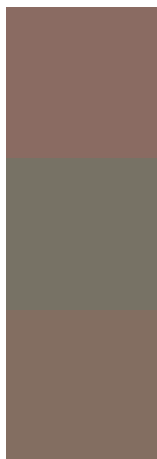


This preview shows how white text looks on a background with the CIELCh color 48, 14.664, 41.773.

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, 14.664, 41.773

Protanopia

48, 7.909, 93.552

Deuteranopia

48, 12.002, 59.359



Tritanopia
48, 15.320, 3.662

Trichromacy



Original Color
48, 14.664, 41.773

Protanomaly
48, 9.162, 64.499

Deuteranomaly
48, 13.109, 52.658

Tritanomaly
48, 14.053, 16.401

Monochromacy



Original Color
48, 14.664, 41.773

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.909, 40.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.664, 41.773 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(138, 107, 98)` looks like.

```
.text, #text, p{  
    color:rgb(138, 107, 98)  
}
```

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(138, 107, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 107, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.664, 41.773 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(138, 107, 98) }
```

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

```
.border{ border-color:rgb(138, 107, 98) }
```

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

Here you see how a box with a 4 pixel rgb(138, 107, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 107, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 107, 98);  
box-shadow:4px 4px 4px 4px rgb(138, 107,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.664, 41.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 107, 98) }
```

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

```
.background{ background-color: rgb(138,  
107, 98) }
```

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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