

Converting Colors

CIELCh(48, 13.047, 98.833)

Have a look what the booklet for
CIELCh(48, 13.047, 98.833) contains.

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Color

CIELCh(48, 13.064, 98.808)

Conversions

Conversions Part 1

Format	Color
Hex	77725C
RGB	119, 114, 92
RGB Percent	47%, 45%, 36%
CMY	0.5325, 0.5521, 0.6384
CMYK	0.00, 0.04, 0.23, 0.53
HSL	49°, 13%, 41%
HSV	49°, 23%, 47%
XYZ	15.6179, 16.7945, 12.5896
YIQ	112.9870, 10.0420, -5.7820

Conversions

Conversions Part 2

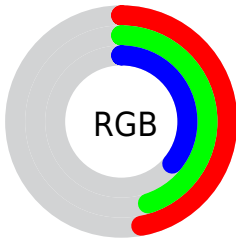
Format	Color
RYB	98, 119, 92
Decimal	7828060
CIELab	48.00, -2.00, 12.91
CIElCh	48, 13.064, 98.808
Yxy	16.7945, 0.3470, 0.3732
Android (android.graphics.Color)	4286018140 (0xFF77725C)
YUV	112.9870, -10.3466, 5.2734
Hunter-Lab	40.9810, -3.6904, 10.4724

Details

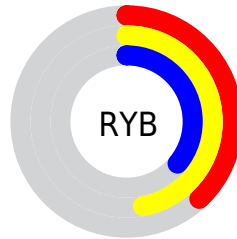
The CIELCh color **48, 13.064, 98.808** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 13.416, 284.105**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.290, 100.134**, and **28, 12.971, 98.883** is the 20% darker color. If you saturate the color by 10%, you get **47, 18.852, 97.687**, and if you desaturate by 10%, it is **49, 7.277, 99.913**.

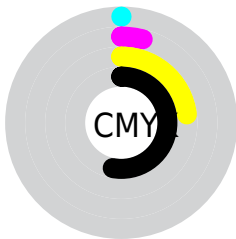
Distribution



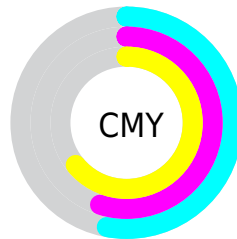
- Red (47%)
- Green (45%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 13.064, 98.808 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, 13.064, 98.808 by changing the saturation by 10% instead.

■ 48, 13.064, 98.808 ■ 48, 13.064, 98.808

■ 100, 13.064, 98.808 ■ 38, 13.064, 98.808

■ 68, 13.064, 98.808 ■ 28, 13.064, 98.808

■ 78, 13.064, 98.808 ■ 18, 13.064, 98.808

■ 88, 13.064, 98.808 ■ 8, 13.064, 98.808

■ 98, 13.064, 98.808 ■ 0, 13.064, 98.808

■ 48, 13.064, 98.808 ■ 48, 13.064, 98.808

■ 47, 18.852, 97.687 ■ 49, 7.277, 99.913

■ 46, 24.592, 96.540 ■ 50, 1.517, 100.935

45, 30.202, 95.382

51, 4.200, 282.065

45, 35.545, 94.218

52, 9.868, 283.051

44, 40.405, 93.047

53, 15.481,
284.005

43, 44.463, 91.859

54, 21.040,
284.916

43, 47.340, 90.627

42, 49.211, 89.740

55, 26.543,
285.784

56, 31.992,
286.608

57, 37.388,
287.389

Harmonies

Complementary

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



48, 13.064, 98.808



42, 13.416, 284.105

Rectangle

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



48, 13.064, 98.808



48, 13.064, 148.808



48, 13.064, 278.808



48, 13.064, 328.808

Sweetspot

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



48, 13.065, 98.814



63, 4.992, 100.496



42, 12.001, 5.462



33, 3.270, 100.452



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 13.065, 98.814



61, 19.375, 98.251



49, 16.100, 120.554



24, 3.189, 100.302



43, 50.139, 89.699



84, 84.597, 88.856

Inverse Universe

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



42, 13.416, 284.105



51, 20.028, 284.867



41, 16.790, 303.193



23, 3.226, 282.310



16, 66.979, 301.987



36, 118.846, 303.354

Previews

White Background



This preview shows how the CIELCh color 48, 13.064, 98.808 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, 13.064, 98.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

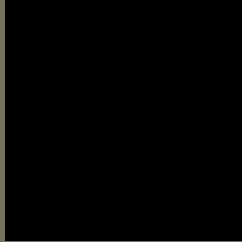
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.064, 98.808

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.064, 98.808.



This preview shows how white text looks on a background with the CIELCh color 48, 13.064, 98.808.

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, 13.064, 98.808

Protanopia

48, 13.241, 95.057

Deuteranopia

48, 13.957, 62.166



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 13.064, 98.808

Protanomaly
48, 13.145, 96.921

Deuteranomaly
48, 12.753, 75.260

Tritanomaly
48, 4.516, 42.684

Monochromacy



Original Color
48, 13.064, 98.808

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.771, 99.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.064, 98.808 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(119, 114, 92)` looks like.

```
.text, #text, p{  
    color:rgb(119, 114, 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(119, 114, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 114, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.064, 98.808 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(119, 114, 92) }
```

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

```
.border{ border-color:rgb(119, 114, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 114, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 114, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 114, 92);  
box-shadow:4px 4px 4px 4px rgb(119, 114,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.064, 98.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 114, 92) }
```

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

```
.background{ background-color: rgb(119,  
114, 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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