

Converting Colors

CIELCh(48, 11.749, 88.317)

Have a look what the booklet for
CIELCh(48, 11.749, 88.317) contains.

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Color

CIELCh(48, 11.822, 89.288)

Conversions

Conversions Part 1

Format	Color
Hex	7A715E
RGB	122, 113, 94
RGB Percent	48%, 44%, 37%
CMY	0.5211, 0.5564, 0.6309
CMYK	0.00, 0.07, 0.23, 0.52
HSL	41°, 13%, 42%
HSV	41°, 23%, 48%
XYZ	15.9881, 16.7945, 13.0165
YIQ	113.5250, 11.4630, -4.0010

Conversions

Conversions Part 2

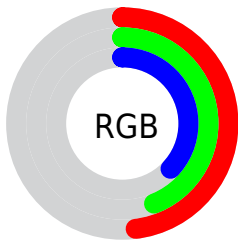
Format	Color
RYB	107, 122, 94
Decimal	8024414
CIELab	48.00, 0.15, 11.82
CIElCh	48, 11.822, 89.288
Yxy	16.7945, 0.3491, 0.3667
Android (android.graphics.Color)	4286214494 (0xFF7A715E)
YUV	113.5250, -9.6258, 7.4326
Hunter-Lab	40.9810, -2.0777, 9.8550

Details

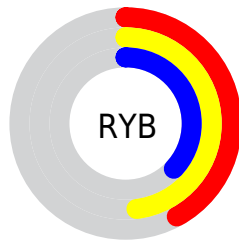
The CIELCh color **48, 11.822, 89.288** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 11.802, 275.227**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.187, 89.772**, and **28, 11.648, 88.256** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.127, 88.032**, and if you desaturate by 10%, it is **49, 6.603, 90.515**.

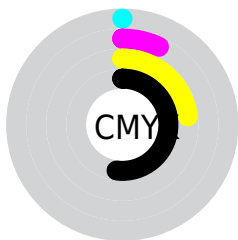
Distribution



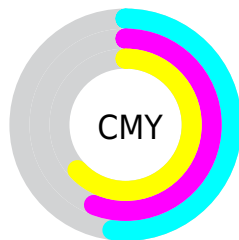
- Red (48%)
- Green (44%)
- Blue (37%)



- Red (42%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (52%)

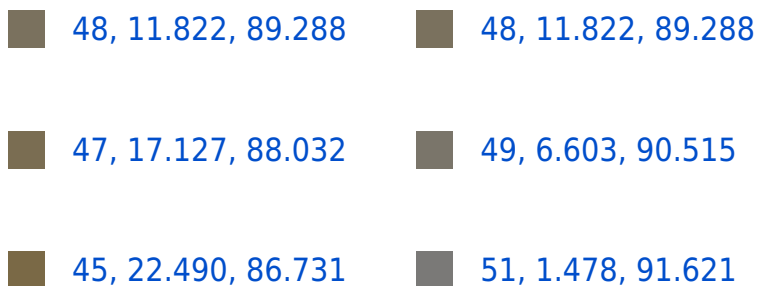
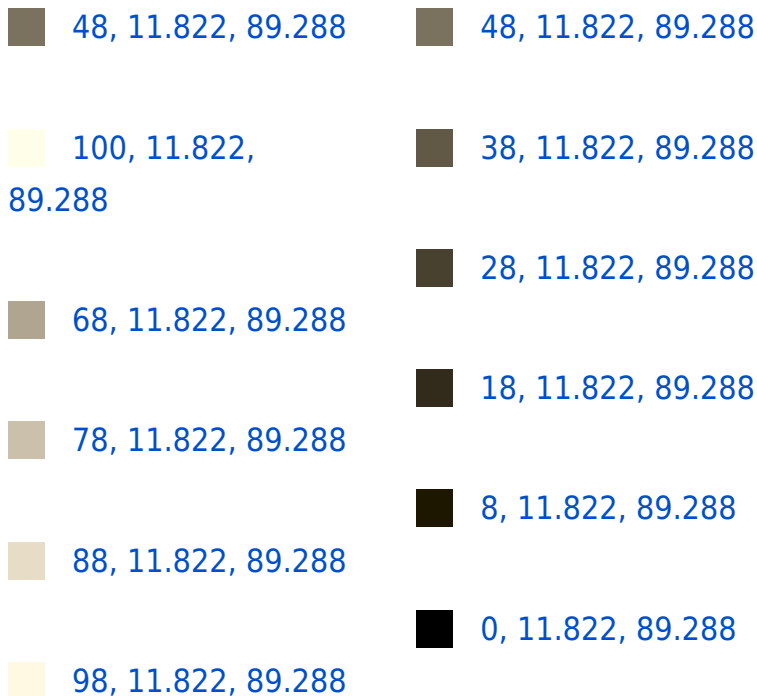


- Cyan (52%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.822, 89.288 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, 11.822, 89.288 by changing the saturation by 10% instead.



44, 27.853, 85.392

52, 3.549, 272.923

43, 33.112, 84.003

54, 8.482, 273.997

41, 38.076, 82.538

55, 13.326,
275.043

40, 42.430, 80.935

57, 18.086,
276.044

39, 45.735, 79.089

38, 47.970, 77.830

58, 22.769,
276.997

60, 27.380,
277.903

62, 31.926,
278.761

Harmonies

Complementary

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



48, 11.822, 89.288



44, 11.802, 275.227

Rectangle

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



48, 11.822, 89.288



48, 11.822, 139.288



48, 11.822, 269.288



48, 11.822, 319.288

Sweetspot

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



48, 11.823, 89.296



64, 4.387, 91.187



43, 13.035, 355.918



33, 2.836, 91.141



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, 11.823, 89.296



60, 17.924, 88.575



50, 16.326, 115.116



25, 2.869, 90.970



39, 48.760, 77.762



76, 81.940, 76.189

Inverse Universe

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



44, 11.802, 275.227



53, 17.886, 276.193



41, 17.137, 298.537



24, 2.873, 273.223



20, 56.733, 296.022



43, 100.908, 297.938

Previews

White Background



This preview shows how the CIELCh color 48, 11.822, 89.288 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, 11.822, 89.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

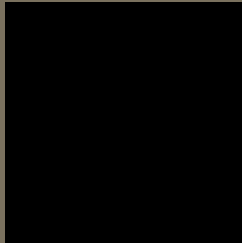
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.822, 89.288

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.822, 89.288.



This preview shows how white text looks on a background with the CIELCh color 48, 11.822, 89.288.

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, 11.822, 89.288

Protanopia

48, 12.001, 96.039

Deuteranopia

48, 13.169, 61.769



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 11.822, 89.288

Protanomaly
48, 12.105, 94.018

Deuteranomaly
48, 12.040, 70.741

Tritanomaly
48, 5.552, 32.139

Monochromacy



Original Color
48, 11.822, 89.288

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.285, 92.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.822, 89.288 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(122, 113, 94)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 94)  
}
```

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(122, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.822, 89.288 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(122, 113, 94) }
```

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

```
.border{ border-color:rgb(122, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.822, 89.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 94) }
```

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

```
.background{ background-color: rgb(122,  
113, 94) }
```

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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