

Converting Colors

CIELCh(48, 12.704, 92.097)

Have a look what the booklet for
CIELCh(48, 12.704, 92.097) contains.

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Color

CIELCh(48, 12.379, 90.058)

Conversions

Conversions Part 1

Format	Color
Hex	7A715D
RGB	122, 113, 93
RGB Percent	48%, 44%, 36%
CMY	0.5209, 0.5561, 0.6346
CMYK	0.00, 0.07, 0.24, 0.52
HSL	41°, 13%, 42%
HSV	41°, 24%, 48%
XYZ	15.9605, 16.7945, 12.7966
YIQ	113.4110, 11.7840, -4.3120

Conversions

Conversions Part 2

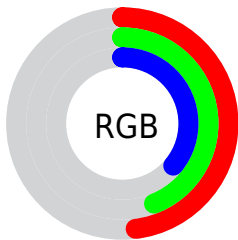
Format	Color
R_{YB}	106, 122, 93
Decimal	8024413
CIE Lab	48.00, -0.01, 12.38
CIE LCh	48, 12.379, 90.058
Yxy	16.7945, 0.3504, 0.3687
Android (android.graphics.Color)	4286214493 (0xFF7A715D)
YUV	113.4110, -10.0626, 7.5326
Hunter-Lab	40.9810, -2.1983, 10.1731

Details

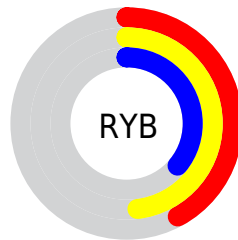
The CIELCh color **48, 12.379, 90.058** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 12.393, 276.190**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.709, 90.492**, and **28, 12.256, 89.065** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.734, 88.806**, and if you desaturate by 10%, it is **49, 7.101, 91.282**.

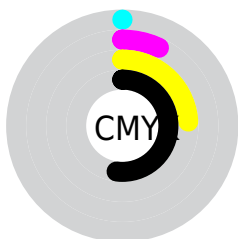
Distribution



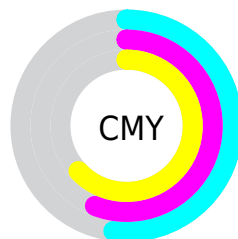
- Red (48%)
- Green (44%)
- Blue (36%)



- Red (42%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (7%)
- Yellow (24%)
- Black (52%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.379, 90.058 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, 12.379, 90.058 by changing the saturation by 10% instead.

■ 48, 12.379, 90.058

■ 48, 12.379, 90.058

■ 100, 12.379,
90.058

■ 38, 12.379, 90.058

■ 68, 12.379, 90.058

■ 28, 12.379, 90.058

■ 78, 12.379, 90.058

■ 18, 12.379, 90.058

■ 88, 12.379, 90.058

■ 8, 12.379, 90.058

■ 98, 12.379, 90.058

■ 0, 12.379, 90.058

■ 48, 12.379, 90.058

■ 48, 12.379, 90.058

■ 47, 17.734, 88.806

■ 49, 7.101, 91.282

■ 45, 23.133, 87.510

■ 51, 1.912, 92.409

44, 28.515, 86.177

52, 3.185, 273.684

43, 33.765, 84.795

54, 8.191, 274.751

42, 38.681, 83.337

55, 13.110,
275.794

41, 42.932, 81.743

57, 17.948,
276.792

39, 46.106, 79.918

39, 48.061, 78.832

58, 22.710,
277.743

60, 27.401,
278.647

61, 32.028,
279.503

Harmonies

Complementary

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



48, 12.379, 90.058



43, 12.393, 276.190

Rectangle

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



48, 12.379, 90.058



48, 12.379, 140.058



48, 12.379, 270.058



48, 12.379, 320.058

Sweetspot

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



48, 12.380, 90.065



64, 4.437, 92.047



43, 13.414, 357.153



33, 2.868, 92.001



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, 12.380, 90.065



60, 18.101, 89.450



50, 16.932, 115.752



25, 2.901, 91.830



40, 48.836, 78.768



77, 82.027, 77.253

Inverse Universe

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



43, 12.393, 276.190



53, 18.127, 277.019



41, 17.797, 299.197



24, 2.908, 274.068



20, 57.715, 296.629



42, 102.610, 298.502

Previews

White Background



This preview shows how the CIELCh color 48, 12.379, 90.058 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, 12.379, 90.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

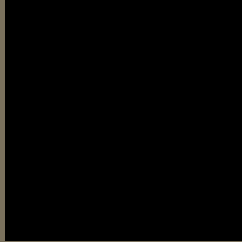
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

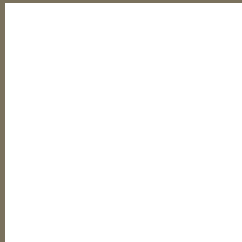
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.379, 90.058

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.379, 90.058.



This preview shows how white text looks on a background with the CIELCh color 48, 12.379, 90.058.

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, 12.379, 90.058

Protanopia

48, 12.672, 94.564

Deuteranopia

48, 13.597, 63.440



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 12.379, 90.058

Protanomaly
48, 12.672, 94.564

Deuteranomaly
48, 12.522, 72.251

Tritanomaly
48, 5.552, 32.139

Monochromacy



Original Color
48, 12.379, 90.058

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.851, 94.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.379, 90.058 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 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(122, 113, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.379, 90.058 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, 93) }
```

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

```
.border{ border-color:rgb(122, 113, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 93);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.379, 90.058 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, 93) }
```

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

```
.background{ background-color: rgb(122,  
113, 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](#).

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