

Converting Colors

CIELCh(48, 12.483, 76.361)

Have a look what the booklet for
CIELCh(48, 12.483, 76.361) contains.

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Color

CIELCh(48, 12.484, 76.967)

Conversions

Conversions Part 1

Format	Color
Hex	7F705E
RGB	127, 112, 94
RGB Percent	50%, 44%, 37%
CMY	0.5034, 0.5622, 0.6327
CMYK	0.00, 0.12, 0.26, 0.50
HSL	33°, 15%, 43%
HSV	33°, 26%, 50%
XYZ	16.4563, 16.7945, 12.8816
YIQ	114.4330, 14.7180, -2.4180

Conversions

Conversions Part 2

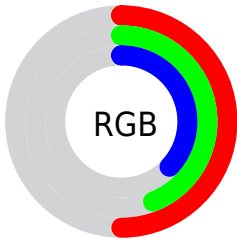
Format	Color
R_{YB}	122, 127, 94
Decimal	8351838
CIE _{Lab}	48.00, 2.82, 12.16
CIE _{LCh}	48, 12.484, 76.967
Yxy	16.7945, 0.3567, 0.3640
Android (android.graphics.Color)	4286541918 (0xFF7F705E)
YUV	114.4330, -10.0735, 11.0213
Hunter-Lab	40.9810, -0.0384, 10.0500

Details

The CIELCh color **48, 12.484, 76.967** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 11.891, 264.010**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.737, 78.639**, and **28, 12.233, 76.389** is the 20% darker color. If you saturate the color by 10%, you get **46, 17.607, 75.705**, and if you desaturate by 10%, it is **50, 7.546, 78.214**.

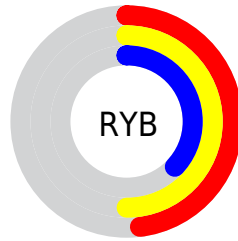
Distribution



Red (50%)

Green (44%)

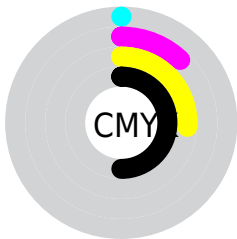
Blue (37%)



Red (48%)

Yellow (50%)

Blue (37%)

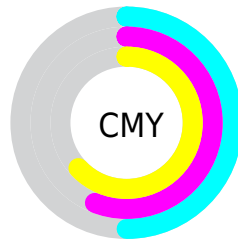


Cyan (0%)

Magenta (12%)

Yellow (26%)

Black (50%)



Cyan (50%)













Magenta (56%)







Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.484, 76.967 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, 12.484, 76.967 by changing the saturation by 10% instead.

 48, 12.484, 76.967	 48, 12.484, 76.967
 100, 12.484, 76.967	 38, 12.484, 76.967
 68, 12.484, 76.967	 28, 12.484, 76.967
 78, 12.484, 76.967	 18, 12.484, 76.967
 88, 12.484, 76.967	 8, 12.484, 76.967
 98, 12.484, 76.967	 0, 12.484, 76.967

 48, 12.484, 76.967	 48, 12.484, 76.967
 46, 17.607, 75.705	 50, 7.546, 78.214
 44, 22.903, 74.410	 52, 2.787, 79.383

43, 28.334, 73.083

54, 1.802, 260.790

41, 33.808, 71.701

56, 6.236, 261.848

39, 39.137, 70.205

58, 10.530,
262.943

38, 43.969, 68.469

60, 14.699,
264.003

36, 47.966, 66.396

35, 49.710, 65.741

62, 18.754,
265.021

64, 22.710,
265.994

66, 26.575,
266.921

Harmonies

Complementary

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



48, 12.484, 76.967



45, 11.891, 264.010

Rectangle

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



48, 12.484, 76.967



48, 12.484, 126.967



48, 12.484, 256.967



48, 12.484, 306.967

Sweetspot

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



48, 12.484, 76.975



66, 4.619, 79.146



44, 16.439, 347.820



34, 3.317, 78.993



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 12.484, 76.975



61, 18.721, 76.254



52, 18.911, 109.204



26, 2.630, 79.041



36, 49.960, 65.714



0, 0.000, 0.000

Inverse Universe

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



45, 11.891, 264.010



57, 17.619, 265.070



41, 20.061, 294.259



25, 2.595, 261.403



25, 45.741, 286.774



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 12.484, 76.967 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, 12.484, 76.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

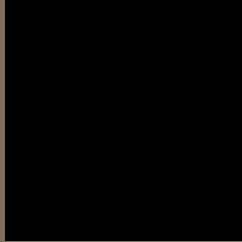
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.484, 76.967

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.484, 76.967.



This preview shows how white text looks on a background with the CIELCh color 48, 12.484, 76.967.

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, 12.484, 76.967

Protanopia

48, 11.430, 95.520

Deuteranopia

48, 13.597, 63.440



Tritanopia
48, 10.100, 349.100

Trichromacy



Original Color
48, 12.484, 76.967

Protanomaly
48, 11.267, 88.433

Deuteranomaly
48, 13.088, 69.162

Tritanomaly
48, 7.969, 20.321

Monochromacy



Original Color
48, 12.484, 76.967

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.312, 74.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.484, 76.967 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(127, 112, 94)` looks like.

```
.text, #text, p{  
    color:rgb(127, 112, 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(127, 112, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 112, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.484, 76.967 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(127, 112, 94) }
```

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

```
.border{ border-color:rgb(127, 112, 94) }
```

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

Here you see how a box with a 4 pixel rgb(127, 112, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 112, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 112, 94);  
box-shadow:4px 4px 4px 4px rgb(127, 112,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.484, 76.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 112, 94) }
```

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

```
.background{ background-color: rgb(127,  
112, 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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