

Converting Colors

CIELCh(46, 16.955, 90.982)

Have a look what the booklet for
CIELCh(46, 16.955, 90.982) contains.

CIELCh(46, 16.705, 90.648)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 16.705, 90.648)

Conversions

Conversions Part 1

Format	Color
Hex	776C51
RGB	119, 108, 81
RGB Percent	47%, 42%, 32%
CMY	0.5330, 0.5761, 0.6820
CMYK	0.00, 0.09, 0.32, 0.53
HSL	43°, 19%, 39%
HSV	43°, 32%, 47%
XYZ	14.4817, 15.2687, 9.9858
YIQ	108.2110, 15.2230, -6.0650

Conversions

Conversions Part 2

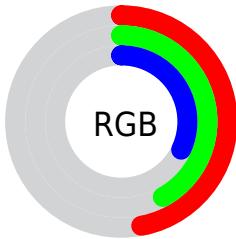
Format	Color
RYB	96, 119, 81
Decimal	7826513
CIELab	46.00, -0.19, 16.70
CIELCh	46, 16.705, 90.648
Yxy	15.2687, 0.3644, 0.3843
Android (android.graphics.Color)	4286016593 (0xFF776C51)
YUV	108.2110, -13.4150, 9.4620
Hunter-Lab	39.0751, -2.2275, 12.2008

Details

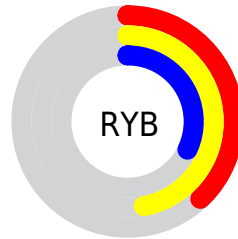
The CIELCh color **46, 16.705, 90.648** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **39, 16.859, 279.077**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.873, 89.947**, and **26, 16.825, 90.813** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.053, 89.386**, and if you desaturate by 10%, it is **47, 11.393, 91.886**.

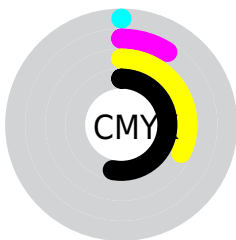
Distribution



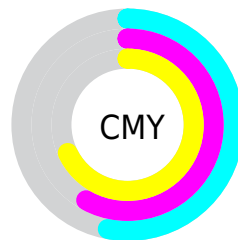
- Red (47%)
- Green (42%)
- Blue (32%)



- Red (38%)
- Yellow (47%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (32%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 16.705, 90.648 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 46, 16.705, 90.648 by changing the saturation by 10% instead.

■ 46, 16.705, 90.648

■ 46, 16.705, 90.648

■ 100, 16.705,
90.648

■ 36, 16.705, 90.648

■ 66, 16.705, 90.648

■ 26, 16.705, 90.648

■ 76, 16.705, 90.648

■ 16, 16.705, 90.648

■ 86, 16.705, 90.648

■ 6, 16.705, 90.648

■ 96, 16.705, 90.648

■ 0, 16.705, 90.648

■ 46, 16.705, 90.648

■ 46, 16.705, 90.648

■ 45, 22.053, 89.386

■ 47, 11.393, 91.886

■ 44, 27.379, 88.084

■ 49, 6.144, 93.076

■ 42, 32.577, 86.742

■ 50, 0.973, 94.111

■ 41, 37.464, 85.339

■ 51, 4.115, 275.413

■ 40, 41.741, 83.832

■ 53, 9.123, 276.467

■ 39, 44.989, 82.135

■ 54, 14.052,
277.487

■ 38, 47.382, 80.781

■ 55, 18.907,
278.461

■ 57, 23.692,
279.390

■ 58, 28.412,
280.271

Harmonies

Complementary

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



46, 16.705, 90.648



39, 16.859, 279.077

Rectangle

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



46, 16.705, 90.648



46, 16.705, 140.648



46, 16.705, 270.648



46, 16.705, 320.648

Sweetspot

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



46, 16.706, 90.654



63, 6.409, 93.267



39, 17.736, 359.338



33, 4.411, 93.136



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 16.706, 90.654



58, 24.849, 89.763



49, 22.232, 115.909



24, 2.859, 93.408



40, 48.312, 80.707



77, 81.651, 79.264

Inverse Universe

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



39, 16.859, 279.077



48, 25.168, 280.418



37, 23.802, 300.529



23, 2.872, 275.595



19, 58.546, 297.638



41, 104.897, 299.484

Previews

White Background



This preview shows how the CIELCh color 46, 16.705, 90.648 looks on a white background.

Color Contrast Check

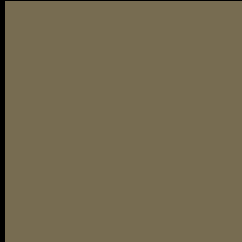
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 16.705, 90.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

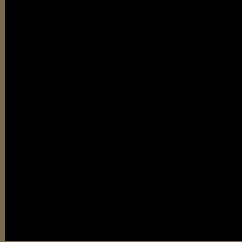
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.705, 90.648

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.705, 90.648.

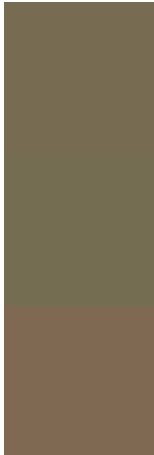


This preview shows how white text looks on a background with the CIELCh color 46, 16.705, 90.648.

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

46, 16.705, 90.648

Protanopia

46, 16.883, 95.549

Deuteranopia

46, 17.308, 71.120



Tritanopia
46, 9.165, 349.467

Trichromacy



Original Color
46, 16.705, 90.648

Protanomaly
46, 16.989, 94.058

Deuteranomaly
46, 16.699, 77.146

Tritanomaly
46, 7.648, 38.150

Monochromacy



Original Color
46, 16.705, 90.648

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.156, 93.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.705, 90.648 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, 108, 81)` looks like.

```
.text, #text, p{  
    color:rgb(119, 108, 81)  
}
```

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, 108, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 108, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.705, 90.648 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, 108, 81) }
```

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

```
.border{ border-color:rgb(119, 108, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 108, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 108, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 108, 81);  
box-shadow:4px 4px 4px 4px rgb(119, 108,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.705, 90.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 108, 81) }
```

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

```
.background{ background-color: rgb(119,  
108, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor